



STIC Search Report

EIC 2600

STIC Database Tracking Number: 156200

TO: Shefali Patel
Location: KNX-9D35
Art Unit : 2621
Friday, June 17, 2005

Case Serial Number: 10/625621

From: Samir Patel
Location: EIC 2600
KNX-8B68
Phone: 571-272-3537

Samir.patel@uspto.gov

Search Notes

Dear Examiner

Please find attached the search results for 10/625621. I searched the standard Dialog files and IEEE.

If you would like a re-focus please let me know.

Thank you

Samir Patel

36

Access DB# 157620

SEARCH REQUEST FORM

Scientific and Technical Information Center

Requester's Full Name Shafali Patel Examiner #: 79747 Date: 6/10/05
Art Unit: 2621 Phone Number 2-7396 Serial Number: 10/625,621
Location: _____ Results Format Preferred (circle): PAPER DISK E-MAIL

If more than one search is submitted, please prioritize searches in order of need.

Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elec species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc, if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

Title of Invention: Method & System for recognizing Questionnaire based on shape.

Inventors (please provide full names): _____

Tunney, William P.

Earliest Priority Filing Date: 7/24/2003

For Sequence Searches Only Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.

please search claim 1 attached.

Thank you,
Shafali Patel
2-7396

STAFF USE ONLY

Searcher: Samir Patel

Searcher Phone #: 2-3537

Searcher Location: KNX-8668

Date Searcher Picked Up: 10:00 AM / 06/16

Date Completed: 10:00 AM / 06/17

Searcher Prep & Review Time: 180

Clerical Prep Time: _____

Online Time: 180

Type of Search

Sequence (#) _____

AA Sequence (#) _____

Structure (#) _____

Bibliographic ☒

Litigation _____

Fulltext ☒

Patent Family _____

Other _____

Vendors and cost where applicable

STN _____

Dialog ☒

Questel/Orbit _____

Dr.Link _____

Lexis/Nexis _____

Sequence Systems _____

WWW/Internet ☒

Other (specify) _____

File 2:INSPEC 1969-2005/Jun W1
(c) 2005 Institution of Electrical Engineers

File 6:NTIS 1964-2005/Jun W1
(c) 2005 NTIS, Intl Cpyrght All Rights Res

File 8:Ei Compendex(R) 1970-2005/Jun W1
(c) 2005 Elsevier Eng. Info. Inc.

File 34:SciSearch(R) Cited Ref Sci 1990-2005/Jun W2
(c) 2005 Inst for Sci Info

File 35:Dissertation Abs Online 1861-2005/May
(c) 2005 ProQuest Info&Learning

File 62:SPIN(R) 1975-2005/Apr W1
(c) 2005 American Institute of Physics

File 65:Inside Conferences 1993-2005/Jun W2
(c) 2005 BLDSC all rts. reserv.

File 92:IHS Intl.Stds.& Specs. 1999/Nov
(c) 1999 Information Handling Services

File 94:JICST-EPlus 1985-2005/Apr W4
(c)2005 Japan Science and Tech Corp(JST)

File 95:TEME-Technology & Management 1989-2005/May W2
(c) 2005 FIZ TECHNIK

File 99:Wilson Appl. Sci & Tech Abs 1983-2005/May
(c) 2005 The HW Wilson Co.

File 144:Pascal 1973-2005/Jun W1
(c) 2005 INIST/CNRS

File 239:Mathsci 1940-2005/Jul
(c) 2005 American Mathematical Society

File 434:SciSearch(R) Cited Ref Sci 1974-1989/Dec
(c) 1998 Inst for Sci Info

File 583:Gale Group Globalbase(TM) 1986-2002/Dec 13
(c) 2002 The Gale Group

File 603:Newspaper Abstracts 1984-1988
(c)2001 ProQuest Info&Learning

File 483:Newspaper Abs Daily 1986-2005/Jun 07
(c) 2005 ProQuest Info&Learning

File 248:PIRA 1975-2005/May W5
(c) 2005 Pira International

Set	Items	Description
S1	3727	CAPTUR????(3N) (DEVIC?? OR PEN???) OR (PRESSUR???? OR DIGIT-AL??) (3N) PEN???
S2	471330	(DETECT??? OR DETERMIN???? OR DISCOVER??? OR FIND??? OR IDENTIF?????? OR CALCULAT??? OR MEASUR??? OR RECOGN??????) (5N) (-SHAPE?? OR CONTOUR?? OR FIGURE?? OR PATTERN??)
S3	186	(WRITI?? OR WRITT????) (3N) PAD??
S4	6443334	PAPER??
S5	289042	ANSWER???
S6	1276836	QUESTION?? OR QUESTIONNAIR????
S7	5	AU=(TUNNEY W? OR TUNNEY, W?)
S8	0	S1 AND S2 AND S3 AND S4 AND (S5 OR S6)
S9	114	(S1 OR S3) AND S2
S10	0	S9 AND (S5 OR S6)
S11	0	S1 AND S2 AND S3
S12	5	S2 AND S3
S13	4	RD (unique items)
S14	0	S7 AND S2

13/3,K/1 (Item 1 from file: 2)
DIALOG(R)File 2:INSPEC
(c) 2005 Institution of Electrical Engineers. All rts. reserv.

02410393 INSPEC Abstract Number: B85019506, C85015129
Title: Office without paper: handwriting-reading machine
Author(s): Doster, W.
Journal: Funkschau no.25 p.61-3
Publication Date: 7 Dec. 1984 Country of Publication: West Germany
CODEN: FUSHA2 ISSN: 0016-2841
Language: German
Subfile: B C

...Abstract: analysis is converted into ASCII characters. At present, the equipment is limited to a special **writing pad** with a tracing pen to help determine the required coordinates. The author presents a description

...
Descriptors: computerised **pattern recognition** ;
...Identifiers: special **writing pad** ;

13/3,K/2 (Item 2 from file: 2)
DIALOG(R)File 2:INSPEC
(c) 2005 Institution of Electrical Engineers. All rts. reserv.

01320067 INSPEC Abstract Number: A79023105, C79010449
Title: Computationally directed axisymmetric aspheric figuring
Author(s): Brown, N.J.
Author Affiliation: Lawrence Livermore Lab., Univ. of California, Livermore, CA, USA
Journal: Optical Engineering vol.17, no.6 p.602-20
Publication Date: Nov.-Dec. 1978 Country of Publication: USA
CODEN: OPEGAR ISSN: 0091-3286
Language: English
Subfile: A C

Abstract: Presents a simple method of axisymmetric wear **pattern calculation** covering all cases normally encountered on conventional polishing machines. The techniques were developed for use...

... calculators to make them available to the small-shop personnel for whom this paper is **written** . Polishing **pad** design and drives are also discussed.

...Identifiers: axisymmetric wear **pattern calculation** ;

13/3,K/3 (Item 1 from file: 8)
DIALOG(R)File 8:Ei Compendex(R)
(c) 2005 Elsevier Eng. Info. Inc. All rts. reserv.

04624175 E.I. No: EIP97023525907
Title: New data tablet system for handwriting characters and drawing based on the image processing
Author: Yamasaki, Toshinori; Hattori, Tetsuo
Corporate Source: Kagawa Univ, Kagawa, Jpn
Conference Title: Proceedings of the 1996 IEEE International Conference on Systems, Man and Cybernetics
Conference Location: Beijing, China Conference Date: 19961014-19961017
E.I. Conference No.: 46016
Source: Proceedings of the IEEE International Conference on Systems, Man

and Cybernetics v 1 1996. IEEE, Piscataway, NJ, USA, 96CH35929. p 428-431
Publication Year: 1996
CODEN: PICYE3 ISSN: 0884-3627
Language: English

...Abstract: can observe the slow handwriting by this system. The CCD camera takes the sequential images **written** on the **writing pad** with a 50*50 left bracket mm right bracket frame. After that, the system can...

Descriptors: ***Pattern recognition** systems; Character **recognition** ; Image analysis; Video recording; Feature extraction; Image recording; Video cameras; Charge coupled devices; Drawing (graphics)

13/3,K/4 (Item 1 from file: 94)
DIALOG(R)File 94:JICST-EPlus
(c)2005 Japan Science and Tech Corp(JST). All rts. reserv.

02050890 JICST ACCESSION NUMBER: 94A0511895 FILE SEGMENT: JICST-E
Development of formula editing system using hand- written PAD .
WADA SHINJIRO (1); MATSUMOTO MASATSUGU (1); UENO MASAYUKI (1); TSUSHIMA KATSUhide (1)
(1) Osaka Electro-Communication Univ.
Denshi Joho Tsushin Gakkai Gijutsu Kenkyu Hokoku(IEIC Technical Report (Institute of Electronics, Information and Communication Engineers), 1994, VOL.94,NO.59(ET94 19-28), PAGE.27-30, FIG.3, TBL.1, REF.5
JOURNAL NUMBER: S0532BBG
UNIVERSAL DECIMAL CLASSIFICATION: 681.3.053
LANGUAGE: Japanese COUNTRY OF PUBLICATION: Japan
DOCUMENT TYPE: Journal
ARTICLE TYPE: Original paper
MEDIA TYPE: Printed Publication

Development of formula editing system using hand- written PAD .
...BROADER DESCRIPTORS: **figure pattern recognition ; ...**

... pattern recognition ;

File 344:Chinese Patents Abs Aug 1985-2005/May
(c) 2005 European Patent Office
File 347:JAPIO Nov 1976-2005/Feb(Updated 050606)
(c) 2005 JPO & JAPIO
File 350:Derwent WPIX 1963-2005/UD,UM &UP=200537
(c) 2005 Thomson Derwent

Set	Items	Description
S1	5755	CAPTUR????(3N) (DEVIC?? OR PEN???) OR (PRESSUR???? OR DIGIT-AL??) (3N)PEN???
S2	124568	(DETECT??? OR DETERMIN???? OR DISCOVER??? OR FIND??? OR IDENTIF?????? OR CALCULAT??? OR MEASUR??? OR RECOGN??????) (5N) (-SHAPE?? OR CONTOUR?? OR FIGURE?? OR PATTERN??)
S3	474	(WRITI?? OR WRITT????) (3N)PAD??
S4	540969	PAPER??
S5	34449	ANSWER???
S6	15770	QUESTION?? OR QUESTIONNAIR????
S7	8	AU=(TUNNEY W? OR TUNNEY, W?)
S8	0	S1 AND S2 AND S3 AND S4 AND (S5 OR S6)
S9	126	(S1 OR S3) AND S2
S10	2	S9 AND (S5 OR S6)
S11	0	S1 AND S2 AND S3
S12	4	S2 AND S3
S13	4	S12 NOT S10
S14	122	S1 AND S2
S15	2	S14 AND (S6 OR S5)
S16	0	S15 NOT (S10 OR S12)
S17	16	S14 AND S4
S18	14	S17 NOT (S10 OR S12)
S19	2	S7 AND S2
S20	0	S19 NOT S10
?		

10/3,K/1 (Item 1 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2005 Thomson Derwent. All rts. reserv.

016807291 **Image available**
WPI Acc No: 2005-131572/200514
XRPX Acc No: N05-112794

Questionnaire data recognizing method used in field survey, involves
comparing coordinate set corresponding to written shapes, with prestored
shapes, and mapping to questionnaire answer upon detecting match

Patent Assignee: TUNNEY W P (TUNN-I)

Inventor: TUNNEY W P

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20050022124	A1	20050127	US 2003625621	A	20030724	200514 B

Priority Applications (No Type Date): US 2003625621 A 20030724

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 20050022124	A1	11	G06F-017/21	

Questionnaire data recognizing method used in field survey, involves
comparing coordinate set corresponding to written shapes, with prestored
shapes, and mapping to questionnaire answer upon detecting match

Abstract (Basic):

... A set of coordinates indicating a shape made in a questionnaire
without use of a graphical user interface is captured, received and
compared with prestored shapes and mapped to a questionnaire answer
upon detecting a match.

... An INDEPENDENT CLAIM is also included for system for
recognizing questionnaire data based on shape .

...For recognizing questionnaire data used in field surveys and field
inventory...

...Enables to accurately recognize questionnaire data entered by a user,
independent of the position and/or movement of the questionnaire on
the capture device .

...The figure shows an exemplary paper data form that includes a
questionnaire to be filled out

Title Terms: QUESTIONNAIRE ;

10/3,K/2 (Item 2 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2005 Thomson Derwent. All rts. reserv.

016806777 **Image available**
WPI Acc No: 2005-131057/200514
XRPX Acc No: N05-112307

Questionnaire pages identifying method, designates to which copy of
paper form matched shapes belong, and retrieving data related to matched
stored shapes to store as writing made on designated copy

Patent Assignee: TUNNEY W P (TUNN-I); SAP AG (SAPS-N)

Inventor: TUNNEY W P

Number of Countries: 108 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20050018905	A1	20050127	US 2003625596	A	20030724	200514 B
WO 200510659	A2	20050203	WO 2004US20151	A	20040623	200514

Priority Applications (No Type Date): US 2003625596 A 20030724

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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US 20050018905	A1		12	G06K-009/00	
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WO 200510659	A2	E		G06F-000/00	
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Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ
CA CH CN CO CR CU CZ DE DK DM DZ EC EE EG ES FI GB GD GE GH GM HR HU ID
IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ
NA NI NO NZ OM PG PH PL PT RO RU SC SD SE SG SK SL SY TJ TM TN TR TT TZ
UA UG US UZ VC VN YU ZA ZM ZW

Designated States (Regional): AT BE BG BW CH CY CZ DE DK EA EE ES FI FR
GB GH GM GR HU IE IT KE LS LU MC MW MZ NA NL OA PL PT RO SD SE SI SK SL
SZ TR TZ UG ZM ZW

Questionnaire **pages identifying method, designates to which copy of paper form matched shapes belong, and retrieving...**

Abstract (Basic):

... method involves receiving capture data representing writings made on multiple copies of a paper form, **detecting shapes** of the writings, and comparing the **detected shapes** with **shapes** stored in memory. Designation of to which of the copies the matched shapes belong is...

... The retrieved data includes **answers** to a **questionnaire** .

...execute the method of identifying multiple pages of a paper data form e.g. a **questionnaire** attached to a digital handwriting **capture device** .

...Used for identifying multiple pages of a paper data form e.g. a **questionnaire** , attached to a digital handwriting **capture device** .

...The method enables a processor to accurately and quickly determine which **answers** were entered on each of multiple **questionnaire** pages attached to the **capture device** , without relying on the user to do so...

...of a method of identifying multiple pages of a paper data form e.g. a **questionnaire** attached to a digital handwriting **capture device** .

Title Terms: **QUESTIONNAIRE** ;

13/3,K/1 (Item 1 from file: 347)
DIALOG(R)File 347:JAPIO
(c) 2005 JPO & JAPIO. All rts. reserv.

02061890 **Image available**
ELECTRONIC EQUIPMENT WITH HANDWRITTEN **PATTERN** **RECOGNIZING** FUNCTION

PUB. NO.: 61-275990 [JP 61275990 A]
PUBLISHED: December 06, 1986 (19861206)
INVENTOR(s): MATSUYAMA SHIGERU
APPLICANT(s): CANON INC [000100] (A Japanese Company or Corporation), JP
(Japan)
APPL. NO.: 60-116719 [JP 85116719]
FILED: May 31, 1985 (19850531)
JOURNAL: Section: P, Section No. 572, Vol. 11, No. 137, Pg. 55, May
02, 1987 (19870502)

ELECTRONIC EQUIPMENT WITH HANDWRITTEN **PATTERN** **RECOGNIZING** FUNCTION

ABSTRACT

PURPOSE: To lower a cost and improve an operability by **recognizing** an input handwriting **pattern** from a hand **writing** inputting key **pad** and detecting only the prescribed coordinate data of a coordinate input means being independently inputted...

13/3,K/2 (Item 2 from file: 347)
DIALOG(R)File 347:JAPIO
(c) 2005 JPO & JAPIO. All rts. reserv.

02057462 **Image available**
PERSONAL COMPUTER

PUB. NO.: 61-271562 [JP 61271562 A]
PUBLISHED: December 01, 1986 (19861201)
INVENTOR(s): TAKASE AKIO
APPLICANT(s): MITSUBISHI ELECTRIC CORP [000601] (A Japanese Company or Corporation), JP (Japan)
APPL. NO.: 60-113889 [JP 85113889]
FILED: May 27, 1985 (19850527)
JOURNAL: Section: P, Section No. 570, Vol. 11, No. 129, Pg. 55, April
23, 1987 (19870423)

ABSTRACT

...a cartridge side together with a read-only memory (ROM) which stores the programs to **recognize** the **patterns** supplied to the graphic inputting device...

... 23 within the part 21 stores a program to recognize the linear graphics like characters **written** to the **pad** 25 based on the code data supplied successively from the pad 25. The recognized linear...

13/3,K/3 (Item 1 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2005 Thomson Derwent. All rts. reserv.

016156099 **Image available**
WPI Acc No: 2004-313986/200429
XRAM Acc No: C04-119244

XRPX Acc No: N04-250010

Smart card for use as e.g. credit card, includes sensor for detecting personal characteristic of authorized bearer, software facility for interpreting received information, and indicia facility for indicating if the card is authenticated

Patent Assignee: ROWE B (ROWE-I)

Inventor: ROWE B

Number of Countries: 103 Number of Patents: 003

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20040050930	A1	20040318	US 2002246017	A	20020917	200429 B
WO 200427702	A2	20040401	WO 2003US29075	A	20030916	200431
AU 2003299013	A1	20040408	AU 2003299013	A	20030916	200462

Priority Applications (No Type Date): US 2002246017 A 20020917

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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US 20040050930	A1		14	G06K-005/00	
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WO 200427702	A2	E		G06K-019/10	
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Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NI NO NZ OM PH PL PT RO RU SC SD SE SG SK SL TJ TM TN TR TT TZ UA UG UZ VC VN YU ZA ZM ZW

Designated States (Regional): AT BE BG CH CY CZ DE DK EA EE ES FI FR GB GH GM GR HU IE IT KE LS LU MC MW MZ NL OA PT RO SD SE SI SK SL SZ TR TZ UG ZM ZW

AU 2003299013	A1			G06K-019/10	Based on patent WO 200427702
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Abstract (Basic):

Technology Focus:

... Components: The sensor is fingerprint reader, voice recognition device, a DNA analyzer, a human eye **pattern detector**, and a signature analyzer. The smart card includes a conventional magnetic strip that stores card...

...at the exterior surface of the smart card. The smart card includes a stylus for **writing** on the write **pad**, and a display where the human perceivable output comprises the personal information that is displayed

13/3,K/4 (Item 2 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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014091965 **Image available**

WPI Acc No: 2001-576179/200165

Household utensil attached with manual of computer program

Patent Assignee: SON K U (SONK-I)

Inventor: SON K U

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
KR 2001029552	A	20010406	KR 20001575	A	20000113	200165 B

Priority Applications (No Type Date): KR 99U20505 U 19990922

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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KR 2001029552	A		1	G09F-007/00	
---------------	---	--	---	-------------	--

Abstract (Basic):

... surface of a household utensil such as a cup, a saucer, a mouse pad, a **pad** to rest **writing** paper on, a credit card, and a picture frame to easily master the usage of...

...picture for ensuing a user to easily master the computer program. Also, the computer program **recognition** device of manual **shape** is fixed or separately attached on the outer surface of the household utensil. The user...

?

18/3,K/1 (Item 1 from file: 347)
DIALOG(R)File 347:JAPIO
(c) 2005 JPO & JAPIO. All rts. reserv.

08014319 **Image available**
HANDWRITING SIGNATURE AUTHENTICATION SYSTEM

PUB. NO.: 2004-127078 [JP 2004127078 A]
PUBLISHED: April 22, 2004 (20040422) X
INVENTOR(s): YOSHIDA TETSUO
APPLICANT(s): AXIOM CO LTD
APPL. NO.: 2002-292341 [JP 2002292341]
FILED: October 04, 2002 (20021004)

ABSTRACT

PROBLEM TO BE SOLVED: To make an image of handwritten characters color-developed on the **paper** in real time so as to be recognized, even if using a pen, which has only a **pen pressure** detection function as a writing-implement, and which can not write characters on an ordinary **paper** as a ballpoint pen.

SOLUTION: This system uses a means for detecting the **pen pressure** when signing by handwriting; a means for extracting a temporal variation **pattern** of the **detected pen pressure** or the characteristics obtained from the pattern; a means for comparing and collating the temporal variation pattern of the **pen pressure** or the characteristics obtained from the pattern with personal data registered in advance; and no carbon **papers** wherein the characters color-developed by applying the **pen pressure** are easily recognizable from a **pen - pressure** -applied surface. Consequently, the characters can be recognized as signed on the ordinary **paper** with the ballpoint pen.

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18/3,K/2 (Item 2 from file: 347)
DIALOG(R)File 347:JAPIO
(c) 2005 JPO & JAPIO. All rts. reserv.

07965719 **Image available**
CURRENCY IDENTIFYING DEVICE AND METHOD

PUB. NO.: 2004-078478 [JP 2004078478 A] X
PUBLISHED: March 11, 2004 (20040311)
INVENTOR(s): ~~RI~~ CHORYU
APPLICANT(s): SUNPLUS TECHNOLOGY CO LTD
APPL. NO.: 2002-236648 [JP 2002236648]
FILED: August 14, 2002 (20020814)

ABSTRACT

PROBLEM TO BE SOLVED: To provide a **device** and method for **capturing** and **identifying** the **pattern** image of a currency surface to increase the accuracy of the currency identification, and for...

...a consumer.

SOLUTION: In the currency identifying device and method for identifying the authenticity of **paper** money and coins, the surface image of currency is

captured, and the currency surface image...

18/3,K/3 (Item 3 from file: 347)
DIALOG(R)File 347:JAPIO
(c) 2005 JPO & JAPIO. All rts. reserv.

07808867 **Image available**
DEVICE AND METHOD FOR MUSICAL SCORE INFORMATION INPUT

PUB. NO.: 2003-302967 [JP 2003302967 A]
PUBLISHED: October 24, 2003 (20031024)
INVENTOR(s): ANDOU TOKIHARU
APPLICANT(s): YAMAHA CORP
APPL. NO.: 2003-103244 [JP 2003103244]
Division of 05-089346 [JP 9389346]
FILED: March 24, 1993 (19930324)

ABSTRACT

... a figure corresponding to desired note information is inputted at a desired position on music paper displayed on a tablet by using a handwritten input pen, a detecting circuit detects the input figure and the stroke pressure of the pen and a CPU recognizes the input figure (a). Then the CPU converts the recognized input figure into note information and the stroke pressure into a velocity and a note and a strength symbol corresponding to the velocity are displayed on the music paper (b). Similarly, when a new handwritten figure is inputted, the figure is recognized (c) and converted into a note and a strength symbol, which are displayed (d).

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18/3,K/4 (Item 1 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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016971096 **Image available**
WPI Acc No: 2005-295409/200530
XRPX Acc No: N05-242611

Print control system for producing location patterns , controls printer to print position determining pattern and human discernable content on superimposition with pattern, using machine-readable and non-machine readable inks respectively

Patent Assignee: HEWLETT-PACKARD DEV CO LP (HEWP)

Inventor: ENCRENAZ M; LAMMENS J

Number of Countries: 108 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200525201	A2	20050317	WO 2004EP51935	A	20040827	200530 B

Priority Applications (No Type Date): GB 200321164 A 20030910

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 200525201 A2 E 126 H04N-001/00

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ
CA CH CN CO CR CU CZ DE DK DM DZ EC EE EG ES FI GB GD GE GH GM HR HU ID
IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ
NA NI NO NZ OM PG PH PL PT RO RU SC SD SE SG SK SL SY TJ TM TN TR TT TZ
UA UG US UZ VC VN YU ZA ZM ZW

Designated States (Regional): AT BE BG BW CH CY CZ DE DK EA EE ES FI FR
GB GH GM GR HU IE IT KE LS LU MC MW MZ NA NL OA PL PT RO SD SE SI SK SL
SZ TR TZ UG ZM ZW

Print control system for producing location patterns , controls printer to print position determining pattern and human discernable content on superimposition with pattern, using machine-readable and non-machine readable...

Abstract (Basic):

... The system controls digital printer to print position-
determining pattern which is readable by **digital pen** on a document, with machine-readable ink, and human discernable content that is not readable...

... 4) a method of printing both machine-readable position-
determined pattern and human discernable content...

...7) a method of reducing problems experienced by infrared **digital pen** ;
(...

...13) a sheet of **paper** having human discernable content and machine readable position **determining pattern** ;
(...

...ink-jet printer, laser printer, and the like, to print location patterns for digital pattern **paper** used with a **digital pen** , e.g. an Anoto Logitech IO(RTM) which is designed to **detect** a dot **pattern** produced with IR-absorbing black ink over which human-readable information may be printed using...

...Eliminates the need for pre-order **paper** having pre-printed pattern because of non-interference of human readable content and machine readable

18/3,K/5 (Item 2 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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016931019 **Image available**

WPI Acc No: 2005-255329/200527

XRPX Acc No: N05-210091

Digital pen and paper system has base station that transmits
received information acquired by pen from position determining pattern on document, to remote server through telecommunication network

Patent Assignee: HEWLETT-PACKARD DEV CO LP (HEWP); BROUHON P (BROU-I)

Inventor: BROUHON P

Number of Countries: 002 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
GB 2405959	A	20050316	GB 200321176	A	20030910	200527 B
US 20050099409	A1	20050512	US 2004938867	A	20040909	200532

Priority Applications (No Type Date): GB 200321176 A 20030910

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
GB 2405959	A	24	G06F-003/033	
US 20050099409	A1		G09G-001/28	

Digital pen and paper system has base station that transmits received information acquired by pen from position determining pattern on document, to remote server through telecommunication network

Abstract (Basic):

... A digital pen transmits information acquired from a position determining pattern on a document (400), to a base station (420) having dedicated processor and program for...

... Digital pen and paper system...

...The figure shows a schematic view of the digital pen and paper system

...Title Terms: PAPER ;

18/3,K/6 (Item 3 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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016917928 **Image available**

WPI Acc No: 2005-242216/200525

XRPX Acc No: N05-199581

System for generating position identification pattern on document e.g. label, prints data in document based on scaling factor associated with selected network printer

Patent Assignee: HEWLETT-PACKARD DEV CO LP (HEWP)

Inventor: GONZALEZ A; GONZALEZ M

Number of Countries: 108 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200524618	A1	20050317	WO 2004EP51931	A	20040827	200525 B

Priority Applications (No Type Date): GB 200321170 A 20030910

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
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WO 200524618	A1	E 30	G06F-003/033	
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Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NA NI NO NZ OM PG PH PL PT RO RU SC SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

Designated States (Regional): AT BE BG BW CH CY CZ DE DK EA EE ES FI FR GB GH GM GR HU IE IT KE LS LU MC MW MZ NA NL OA PL PT RO SD SE SI SK SL SZ TR TZ UG ZM ZW

Abstract (Basic):

... 2) method of producing position identifying pattern to be applied on document...

...pattern to be applied on document in the form of label or note pad in digital pen and paper system...

Technology Focus:

... The digital pen is connected to the network through Bluetooth radio link with the personal computer.

18/3,K/7 (Item 4 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2005 Thomson Derwent. All rts. reserv.

016907453 **Image available**

WPI Acc No: 2005-231741/200524

XRPX Acc No: N05-190873

Image generation method in digital pen - paper system for printing on document, involves superimposing printing content having dots smaller than pattern dots, on position identification pattern

Patent Assignee: HEWLETT-PACKARD DEV CO LP (HEWP); BROUHON P (BROU-I); GOLDSTEIN I (GOLD-I)

Inventor: BROUHON P; GOLDSTEIN I

Number of Countries: 034 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20050053405	A1	20050310	US 2003661000	A	20030910	200524 B
EP 1515265	A2	20050316	EP 2004104288	A	20040906	200524

Priority Applications (No Type Date): US 2003661000 A 20030910

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
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US 20050053405	A1	15	B41J-011/44	
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EP 1515265	A2 E		G06K-015/02	
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Designated States (Regional): AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IT LI LT LU LV MC MK NL PL PT RO SE SI SK TR

Image generation method in digital pen - paper system for printing on document, involves superimposing printing content having dots smaller than pattern dots...

Abstract (Basic):

... 3) product having position identifying pattern and content

...laser inkjet printer connected to personal computer (PC) through local network (LAN) or internet, in digital pen - paper system...

...The figure shows a schematic view of the arrangement of digital pen and document...

... paper (4...

... digital pen (8

...Title Terms: PAPER ;

18/3,K/8 (Item 5 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2005 Thomson Derwent. All rts. reserv.

016482802 **Image available**

WPI Acc No: 2004-640745/200462

XRPX Acc No: N04-506525

Data input system in system utilizing electronic pen holds data entered on sheet to be identified in association with combination of codes, which are converted based on inputs in marks for identification positioned in other sheet

Patent Assignee: HITACHI LTD (HITA); HITACHI SEISAKUSHO KK (HITA); FUJII K (FUJI-I); FURUYA M (FURU-I); HAYASHI T (HAYA-I); TOKUNAGA M (TOKU-I)

Inventor: FUJII K; FURUYA M; HAYASHI T; TOKUNAGA M

Number of Countries: 004 Number of Patents: 004

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20040160430	A1	20040819	US 2003641053	A	20030815	200462 B
JP 2004246433	A	20040902	JP 200333093	A	20030212	200462
CN 1521597	A	20040818	CN 2003154964	A	20030819	200477
KR 2004073254	A	20040819	KR 200357105	A	20030819	200482

Priority Applications (No Type Date): JP 200333093 A 20030212

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 20040160430	A1		17	G09G-005/00	
JP 2004246433	A		12	G06F-003/03	
CN 1521597	A			G06F-003/00	
KR 2004073254	A			G06F-003/03	

Abstract (Basic):

... comprises a unit for holding correspondence between a dot pattern (210) on a sheet of **paper** (102) to be **identified** and a dot **pattern** on a sheet on which mark for identification is printed. The system holds data entered...

... system utilizing electronic pen for reading dot pattern and digitalizing contents written on sheet of **paper** .

...

...For input data in system utilizing electronic pen for reading dot pattern printed on **paper** .

...

...Enables identifying in which **paper** a data entry is made, out of several sheets of **paper** having an identical dot pattern...

... **paper** (102...

... **pen** **pressure** sensor (205

18/3,K/9 (Item 6 from file: 350)
 DIALOG(R)File 350:Derwent WPIX
 (c) 2005 Thomson Derwent. All rts. reserv.

016385628 **Image available**
 WPI Acc No: 2004-543537/200452
 XRAM Acc No: C04-199479
 XRPX Acc No: N04-429768

Article mounting on surface of packaging substrate and for detecting analytes such as viral antigens, comprises facestock film with first and second surfaces, adhesive layer adjacent to facestock film, and analyte detecting system

Patent Assignee: AVERY DENNISON CORP (AVER); HARTMAN W G (HART-I); HERRMANN C K (HERR-I); HOLGUIN D L (HOLG-I); LI K (LIKK-I); PATEL-LAHANIS N (PATE-I); SANDT R L (SAND-I)
 Inventor: HARTMAN W G; HERRMANN C K; HOLGUIN D L; LI K; PATEL-LAHANIS N; SANDT R L

Number of Countries: 107 Number of Patents: 003

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200459281	A2	20040715	WO 2003US39949	A	20031216	200452 B
US 20040142495	A1	20040722	US 2002433737	P	20021216	200452
			US 2003737023	A	20031216	
AU 2003302254	A1	20040722	AU 2003302254	A	20031216	200476

Priority Applications (No Type Date): US 2002433737 P 20021216; US

2003737023 A 20031216

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 200459281 A2 E 45 G01N-000/00

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ
CA CH CN CO CR CU CZ DE DK DM DZ EC EE EG ES FI GB GD GE GH GM HR HU ID
IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ
NI NO NZ OM PG PH PL PT RO RU SC SD SE SG SK SL SY TJ TM TN TR TT TZ UA
UG UZ VC VN YU ZA ZM ZW

Designated States (Regional): AT BE BG BW CH CY CZ DE DK EA EE ES FI FR
GB GH GM GR HU IE IT KE LS LU MC MW MZ NL OA PT RO SD SE SI SK SL SZ TR
TZ UG ZM ZW

US 20040142495 A1 G01N-033/543 Provisional application US 2002433737

AU 2003302254 A1 G01N-000/00 Based on patent WO 200459281

Abstract (Basic):

Technology Focus:

... the facestock film first surface and oriented relative to the
micro-structure, and the immunoassay **device** comprises, a **capture**
antibody layer comprising a species of capture antibodies, supported in
a predetermined pattern on the...

...dye is a polyazamacrocyclic transition metal complex. The transition
metal is platinum or palladium. The **detecting** system comprises a
patterned coating on at least one of the facestock film surfaces. The
binder is present in...

...the particles are present in an amount of 1-90 wt.%. The facestock film
comprises **paper** or a polymeric film. The detecting system comprises a
conductive ink layer comprising a conductive...

18/3,K/10 (Item 7 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2005 Thomson Derwent. All rts. reserv.

015583050 **Image available**

WPI Acc No: 2003-645207/200361

XRPX Acc No: N03-513291

Digital pen for facilitating data entry, has contact sensor to
determine whether writing tip is positioned against substrate and
processor outputting writing tip position based on signals received from
detector

Patent Assignee: FAGIN R (FAGI-I); MEGIDDO N (MEGI-I); MORRIS R J T
(MORR-I); RAJAGOPALAN S (RAJA-I); ROSEN H J (ROSE-I); ZIMMERMAN T G
(ZIMM-I); INT BUSINESS MACHINES CORP (IBMC)

Inventor: FAGIN R; MEGIDDO N; MORRIS R J T; RAJAGOPALAN S; ROSEN H J;
ZIMMERMAN T G

Number of Countries: 001 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20030106985	A1	20030612	US 2000557579	A	20000422	200361 B
US 6686579	B2	20040203	US 2000557579	A	20000422	200413

Priority Applications (No Type Date): US 2000557579 A 20000422

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

US 20030106985 A1 15 H01L-027/00

US 6686579 B2 H01L-027/00

Digital pen for facilitating data entry, has contact sensor to determine whether writing tip is positioned against...

Abstract (Basic):

... on the body to direct light onto a substrate to position the writing tip. A detector receives interference patterns of light output by the laser and reflected by the substrate and a contact sensor

... The pen enables the writer to write characters on conventional paper substrate while recording pen motion on ordinary paper, so that the user can write on any convenient substrate without having to transport and...

... Digital pen (10

18/3,K/11 (Item 8 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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014483474 **Image available**

WPI Acc No: 2002-304177/200234

XRPX Acc No: N02-238006

Digital pen to convert manual pen strokes into digital format has diffraction grating reflecting reference beam and passing beam reflected from paper also translation detectors for nib force and interference patterns

Patent Assignee: INT BUSINESS MACHINES CORP (IBMC); IBM UK LTD (IBMC)

Inventor: SMITH B A; ZIMMERMAN T G

Number of Countries: 098 Number of Patents: 007

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200217222	A2	20020228	WO 2001GB3333	A	20010723	200234 B
AU 200172672	A	20020304	AU 200172672	A	20010723	200247
EP 1312042	A2	20030521	EP 2001951823	A	20010723	200334
			WO 2001GB3333	A	20010723	
US 6592039	B1	20030715	US 2000644809	A	20000823	200348
KR 2003022414	A	20030315	KR 2003702314	A	20030217	200350
JP 2004506994	W	20040304	WO 2001GB3333	A	20010723	200417
			JP 2002521216	A	20010723	
TW 222027	B1	20041011	TW 2001120380	A	20010820	200530

Priority Applications (No Type Date): US 2000644809 A 20000823

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 200217222 A2 E 20 G06K-011/00

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZW

AU 200172672 A G06K-011/00 Based on patent WO 200217222

EP 1312042 A2 E G06K-011/00 Based on patent WO 200217222

Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI TR

US 6592039 B1 G06K-007/10

KR 2003022414 A G06F-003/033

JP 2004506994 W 41 G06F-003/03 Based on patent WO 200217222

TW 222027 B1 G06K-011/18

Digital pen to convert manual pen strokes into digital format has diffraction grating reflecting reference beam and passing beam reflected from paper also translation detectors for nib force and interference patterns

Abstract (Basic):

... The pen has a laser to direct light at the e.g. paper by the nib. One or more diffraction gratings reflect a reference beam and pass a beam reflected from the paper. A translation detector converts interference patterns between reference and reflected beams and passes signal to a processor that also receives signals...

...Title Terms: PAPER ;

18/3,K/12 (Item 9 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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013380814 **Image available**
WPI Acc No: 2000-552752/200051
XRPX Acc No: N00-409180

Individual input signature authentication procedure for credit card identification, involves comparing difference estimated between preset signature template and input handwriting information, with preset threshold

Patent Assignee: MATSUMOTO T (MATS-I)
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 2000215312	A	20000804	JP 9914545	A	19990122	200051 B

Priority Applications (No Type Date): JP 9914545 A 19990122

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 2000215312	A		20	G06T-007/00	

Abstract (Basic):

... tablet surface by electron pen is compressed to obtain information regarding position of nib and pressure applied by pen on tablet surface. Using evaluation function (D1), the difference between compressed handwritten information and signature...

... The figure shows the method of measuring angle formed by pen on paper .

18/3,K/13 (Item 10 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2005 Thomson Derwent. All rts. reserv.

010716274 **Image available**
WPI Acc No: 1996-213229/199622
XRPX Acc No: N96-178659

Pen point behaviour detection method with bidirectional pager for data input in e.g. computer - by converting detected signal into electrical signal which contains data regarding orientation of pen in holding position which suitably corresponds to where pressure is applied

Patent Assignee: NIPPON TELEGRAPH & TELEPHONE CORP (NITE)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 8076914	A	19960322	JP 94211148	A	19940905	199622 B

Priority Applications (No Type Date): JP 94211148 A 19940905

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
JP 8076914	A	13	G06F-003/033	

...Abstract (Basic): hand in three axial directions which suitably correspond with the elastic bending deformation near the **pen** point where **pressure** is applied...

...USE/ADVANTAGE - For e.g. restaurant, hospital, which transfers data manually. Inputs data on **paper** and computer simultaneously since pen is provided with ink cartridge and processor. Does not need...

...section naturally since axial direction of pen is automatically determined by sensor. Improves accuracy in **recognising** character or **pattern** since fine motion of pen point is reliably determined. Switching of various kinds of ink...

18/3,K/14 (Item 11 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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009658775 **Image available**

WPI Acc No: 1993-352326/199345

XRPX Acc No: N93-271749

Data card transaction terminal for data card e.g. credit card transactions - has embossed character reader and magnetic strip reader with separate signature capture device , and circuit responsive to card flag for communicating transaction information

Patent Assignee: MICROBILT CORP (MICR-N); NAT BANCARD CORP (NABA-N)

Inventor: BRADY M; CAVICCHI P R; CHOUDHURI K S; DEPEW T W; EVANS J C; FRIEDMAN S K; HAMILTON J H; KLIGFELD E G; KRAHE H B; LINEY T J; MORTON M A; NAIR P B; NOBLETT P W; PHILMON G A; PRICE J F; STILLIS J T; TURNER L J; VOGT D T; VOGHT D T

Number of Countries: 002 Number of Patents: 005

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
CA 2086572	A	19930711	CA 2086572	A	19921231	199345 B
US 5357563	A	19941018	US 92820401	A	19920110	199441
			US 9379501	A	19930617	
US 5404000	A	19950404	US 92820401	A	19920110	199519
			US 9379517	A	19930618	
US 5428210	A	19950627	US 92820401	A	19920110	199531
US 5479530	A	19951226	US 92820401	A	19920110	199606
			US 9385618	A	19930630	

Priority Applications (No Type Date): US 92820401 A 19920110; US 9379501 A 19930617; US 9379517 A 19930618; US 9385618 A 19930630

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
CA 2086572	A	233	G07F-007/08	
US 5357563	A	80	H04M-011/00	Div ex application US 92820401
US 5404000	A	80	G06K-007/00	Div ex application US 92820401
US 5428210	A	90	G06K-015/20	
US 5479530	A	75	G06K-009/00	Div ex application US 92820401

... has embossed character reader and magnetic strip reader with separate signature capture device , and circuit responsive to card flag for communicating transaction information

...Abstract (Basic): data card during a card transaction. The embossed character reader employs a tactile imager and **pattern recognition** for **detecting** the embossed characters on the data card. A signature capturing printer prints a **paper** receipt, which is signed by a cardholder at a signature capturing window on the printer...

...Abstract (Equivalent): A signature **capturing device** for **capturing** a signature applied to a receipt, comprising...

...signature signal output means for providing signature signals as an output from said signature **capturing device** , said signature signals comprising said stroke count signal and for each for each stroke of...

...data card during a card transaction. The embossed character reader uses a tactile imager and **pattern recognition** to **detect** the embossed characters on the data card...

...The signature capturing printer prints a **paper** receipt, which is signed by a cardholder at a signature capturing window on the printer
...

...data card during a card transaction. The embossed character reader employs a tactile imager and **pattern recognition** for **detecting** the embossed characters on the data card. A signature capturing printer prints a **paper** receipt, which is signed by a cardholder at a signature capturing window on the printer...

...reading capability. Chargeback protection. Allows to bypass merchant when dealing with retrieval requests. Reduction in **paper** transaction receipts held by merchants. Error checking facilities. High confidence in validity of given data...

?

File 344:Chinese Patents Abs Aug 1985-2005/May
 (c) 2005 European Patent Office
 File 347:JAPIO Nov 1976-2005/Feb(Updated 050606)
 (c) 2005 JPO & JAPIO
 File 348:EUROPEAN PATENTS 1978-2005/Jun W02
 (c) 2005 European Patent Office
 File 349:PCT FULLTEXT 1979-2005/UB=20050616,UT=20050609
 (c) 2005 WIPO/Univentio
 File 350:Derwent WPIX 1963-2005/UD,UM &UP=200538
 (c) 2005 Thomson Derwent

Set	Items	Description
S1	15474	CAPTUR????(3N) (DEVIC?? OR PEN???) OR (PRESSUR???? OR DIGIT-AL??) (3N) PEN???
S2	20239	(DETECT??? OR DETERMIN???? OR DISCOVER??? OR FIND??? OR IDENTIF?????? OR CALCULAT??? OR MEASUR??? OR RECOGN??????) (5N) (-GEOMET??????)
S3	953	(WRITI?? OR WRITT????) (3N) PAD??
S4	765598	PAPER??
S5	72791	ANSWER???
S6	130037	QUESTION?? OR QUESTIONNAIR????
S7	14	AU=(TUNNEY W? OR TUNNEY, W?)
S8	20	S2 (35N) (S1 OR S3)
S9	0	S8 (35N) (S4 OR S5 OR S6)
S10	0	S2 (35N) S3
S11	31	S1 (S) S2
S12	3	S11 (S) (S4 OR S5 OR S6)

12/3,K/1 (Item 1 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
(c) 2005 WIPO/Univentio. All rts. reserv.

01171049 **Image available**

**DEVICES AND ASSAYS FOR MONITORING/MEASURING CELLULAR DYNAMICS TO CREATE
SUBJECT PROFILES FROM PRIMARY CELLS**

**DISPOSITIFS ET DOSAGES POUR SURVEILLER/MESURER LES DYNAMIQUES CELLULAIRES
EN VUE DE CREER DES PROFILS SUJETS A PARTIR DE CELLULES PRIMAIRES**

Patent Applicant/Assignee:

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Patent Applicant/Inventor:

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(Residence), US (Nationality), (Designated only for: US)

OSTUNI Emanuele, 175 Fayette Street, Watertown, MA 02472, US, US
(Residence), US (Nationality), (Designated only for: US)

SCHUELLER Olivier, 19 Highland Avenue., #1, Somerville, MA 02143, US, US
(Residence), US (Nationality), (Designated only for: US)

SWEETNAM Paul, 47 Gregory Street, Marblehead, MA 01945, US, US
(Residence), US (Nationality), (Designated only for: US)

Legal Representative:

LAVENUE Teresa (et al) (agent), Kenyon & Kenyon, 1500 K street N. W.,
Suite 700, Washington, DC 20005-1257, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200492322 A2-A3 20041028 (WO 0492322)

Application: WO 2004US11454 20040414 (PCT/WO US04011454)

Priority Application: US 2003462315 20030414

Designated States:

(All protection types applied unless otherwise stated - for applications
2004+)

AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH CN CO CR CU CZ DE DK DM
DZ EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC
LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NA NI NO NZ OM PG PH PL PT RO
RU SC SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW
(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC NL PL PT RO
SE SI SK TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) BW GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 74056

Fulltext Availability:

Detailed Description

Detailed Description

... various embodiments of test devices that may be used to monitor
chemotaxis. However, disadvantageously, the **devices** in Jarnagin et al.
can not be easily sealed or assembled or peeled and disassembled...for
example, be accomplished by: (1) contacting the stamp with a piece of
lint-free **paper** moistened with the ink; (2) pouring the ink directly
onto the stamp or; (3) applying...

12/3,K/2 (Item 2 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00909145 **Image available**

**PLANAR LASER ILLUMINATION AND IMAGING (PLIIM) SYSTEMS WITH INTEGRATED
DESPECKLING MECHANISMS PROVIDED THEREIN
SYSTEMES PLIIM D'ILLUMINATION ET D'IMAGERIE AU LASER PLANAIRE A MECANISME
DE DECHATOIEMENT INTEGRE**

Patent Applicant/Assignee:

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(Residence), US (Nationality), (For all designated states except: US)

Patent Applicant/Inventor:

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(Residence), US (Nationality), (Designated only for: US)

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, US (Nationality), (Designated only for: US)

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Soundview Plaza, 1266 East Main Street, Stamford, CT 06902, US,
Patent and Priority Information (Country, Number, Date):
Patent: WO 200243195 A2-A3 20020530 (WO 0243195)
Application: WO 2001US44011 20011121 (PCT/WO US0144011)
Priority Application: US 2000721885 20001124; US 2001780027 20010209; US
2001781665 20010212; US 2001883130 20010615; US 2001954477 20010917; US
2001999687 20011031
Parent Application/Grant:
Related by Continuation to: US 2001954477 20010917 (CIP)
Designated States:
(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)
AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ
EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR
LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL
TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW
(EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 298301

Fulltext Availability:
Claims

Claim

... 3A;
Fig. 31 is a schematic representation of a hand-supportable bar code
symbol reading **device**
embodying the PLUM-based system of Fig. 3A;
Fig. 3JI is a schematic representation of of the field of view of the
image formation and **detection** module as the planar laser illumination
beams are swept through the
3-D scanning region...particular capabilities of the Data Element
Queuing, Handling and Processing Subsystem thereof in response to
answers provided during system configuration process; Fig. 10C is a flow
chart illustrating the steps involved...
...the PLHM-based subsystem extend, thereby providing a region of space
into which an optional **device** can be mounted for carrying out a
speckle-pattern noise reduction solution in accordance
with...thereof, thereby reducing the RMS power of the speckle-noise
patterns observe at the image **detection** array. As shown in Fig. 1MB,
the reflective phase-modulation disc 404, while spatially-modulating...
...generated per each photo-integration time interval of the image
detection array can be experimentally **determined** without undue
experimentation. However, for a particular degree of speckle-noise power
reduction, it is...

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00408908

SOLID PHASE TYRPHOSTIN LIBRARY LINKED TO MATRICES WITH MEMORIES
BANQUE DE TYRPHOSTINE EN PHASE SOLIDE LIEE A DES MATRICES A MEMOIRES

Patent Applicant/Assignee:

IRORI,
XIAO Xiao-Yi,
SHI Shuhao,
PARANDOOSH Zahra,
NOVA Michael P,

Inventor(s):

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SHI Shuhao,
PARANDOOSH Zahra,
NOVA Michael P,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9749653 A2 19971231
Application: WO 97US11035 19970624 (PCT/WO US9711035)
Priority Application: US 9620706 19960624; US 96711426 19960905; US
96709435 19960906; US 96723423 19960930

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH HU
IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL
PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW GH KE LS MW
SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH DE DK ES FI FR GB GR IE
IT LU MC NL PT SE BF BJ CF CG CI CM GA GN ML MR NE SN TD TG

Publication Language: English

Fulltext Word Count: 86387

Fulltext Availability:

Detailed Description

Detailed Description

... a

multiplicity of applications, including for combinatorial synthesis,
isolation
and purification of the target compounds, **capture** and detection of
macromolecules for analytical purposes, high throughput screening.

The compounds may be prepared...the matrix combination, can be
identifiably
tagged by programming the memory with data corresponding to **identifying**
information and, thus, can be sorted by reading the memories.

Programming and reading the memory...to an associated but
remote memory, such as a computer or even a piece of **paper**. The
computer stores the bar code that a identifies a matrix particle or other
code...

...associated with each unique identifier in the
memory, such as the computer or piece of **paper**. Thus, in the remote
memory the original amino acid linked to particle A is stored stored even
on **paper**. The system depicted in FIGURE
20 is ideal for use in these methods. Polypropylene or...illumination
with light at a
wavelength corresponding to the absorption of the intermediate state in
question results in regeneration of the BR state. In addition, the BR
state and

intermediates exhibit...

?

File 9:Business & Industry(R) Jul/1994-2005/Jun 17
 (c) 2005 The Gale Group
 File 15:ABI/Inform(R) 1971-2005/Jun 16
 (c) 2005 ProQuest Info&Learning
 File 16:Gale Group PROMT(R) 1990-2005/Jun 17
 (c) 2005 The Gale Group
 File 20:Dialog Global Reporter 1997-2005/Jun 17
 (c) 2005 The Dialog Corp.
 File 47:Gale Group Magazine DB(TM) 1959-2005/Jun 17
 (c) 2005 The Gale group
 File 75:TGG Management Contents(R) 86-2005/Jun W1
 (c) 2005 The Gale Group
 File 80:TGG Aerospace/Def.Mkts(R) 1982-2005/Jun 17
 (c) 2005 The Gale Group
 File 88:Gale Group Business A.R.T.S. 1976-2005/Jun 17
 (c) 2005 The Gale Group
 File 98:General Sci Abs/Full-Text 1984-2004/Dec
 (c) 2005 The HW Wilson Co.
 File 112:UBM Industry News 1998-2004/Jan 27
 (c) 2004 United Business Media
 File 141:Readers Guide 1983-2005/Dec
 (c) 2005 The HW Wilson Co
 File 148:Gale Group Trade & Industry DB 1976-2005/Jun 16
 (c)2005 The Gale Group
 File 160:Gale Group PROMT(R) 1972-1989
 (c) 1999 The Gale Group
 File 275:Gale Group Computer DB(TM) 1983-2005/Jun 17
 (c) 2005 The Gale Group
 File 264:DIALOG Defense Newsletters 1989-2005/Jun 16
 (c) 2005 The Dialog Corp.
 File 484:Periodical Abs Plustext 1986-2005/Jun W2
 (c) 2005 ProQuest
 File 553:Wilson Bus. Abs. FullText 1982-2004/Dec
 (c) 2005 The HW Wilson Co
 File 570:Gale Group MARS(R) 1984-2005/Jun 17
 (c) 2005 The Gale Group
 File 608:KR/T Bus.News. 1992-2005/Jun 17
 (c)2005 Knight Ridder/Tribune Bus News
 File 620:EIU:Viewswire 2005/Jun 16
 (c) 2005 Economist Intelligence Unit
 File 613:PR Newswire 1999-2005/Jun 17
 (c) 2005 PR Newswire Association Inc
 File 621:Gale Group New Prod.Annou.(R) 1985-2005/Jun 16
 (c) 2005 The Gale Group
 File 623:Business Week 1985-2005/Jun 16
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 (c) 2005 McGraw-Hill Co. Inc
 File 634:San Jose Mercury Jun 1985-2005/Jun 16
 (c) 2005 San Jose Mercury News
 File 635:Business Dateline(R) 1985-2005/Jun 16
 (c) 2005 ProQuest Info&Learning
 File 636:Gale Group Newsletter DB(TM) 1987-2005/Jun 17
 (c) 2005 The Gale Group
 File 647:CMP Computer Fulltext 1988-2005/May W5
 (c) 2005 CMP Media, LLC
 File 696:DIALOG Telecom. Newsletters 1995-2005/Jun 16
 (c) 2005 The Dialog Corp.
 File 674:Computer News Fulltext 1989-2005/Jun W2
 (c) 2005 IDG Communications
 File 810:Business Wire 1986-1999/Feb 28

(c) 1999 Business Wire
 File 813:PR Newswire 1987-1999/Apr 30
 (c) 1999 PR Newswire Association Inc
 File 587:Jane's Defense&Aerospace 2005/Jun W2
 (c) 2005 Jane's Information Group

Set	Items	Description
S1	28600	CAPTUR????(3N) (DEVIC?? OR PEN???) OR (PRESSUR???? OR DIGIT-AL??) (3N)PEN???
S2	324602	(DETECT??? OR DETERMIN???? OR DISCOVER??? OR FIND??? OR IDENTIF????? OR CALCULAT??? OR MEASUR??? OR RECOGN?????) (5N) (-SHAPE?? OR CONTOUR?? OR FIGURE?? OR PATTERN??)
S3	2903	(WRITI?? OR WRITT????) (3N)PAD??
S4	4223928	PAPER??
S5	3565106	ANSWER???
S6	7095411	QUESTION?? OR QUESTIONNAIR????
S7	27	AU=(TUNNEY W? OR TUNNEY, W?)
S8	0	S1(25N)S2(25N)S3(25N)S4(25N) (S5 OR S6)
S9	116	(S1 OR S3) (25N)S2
S10	1	S9(25N) (S5 OR S6)
S11	0	S1(25N)S2(25N)S3
S12	1	S2(25N)S3
S13	1	S12 NOT S10
S14	115	S1(25N)S2
S15	1	S14(25N) (S5 OR S6)
S16	0	S15 NOT (S12 OR S10)
S17	55	S14(25N)S4
S18	19	RD (unique items)
S19	16	S18 NOT PY>2003
S20	16	S19 NOT (S12 OR S10)
S21	4111	S2(25N)S4
S22	133	S21(25N) (S5 OR S6)
S23	0	S22(25N) (S1 OR S3)
S24	0	S7 AND S2
S25	15259	(DETECT??? OR DETERMIN???? OR DISCOVER??? OR FIND??? OR IDENTIF????? OR CALCULAT??? OR MEASUR??? OR RECOGN?????) (5N)G-EOMET??????
S26	8	S25(25N) (S1 OR S3)
S27	5	RD (unique items)
S28	5	S27 NOT (S12 OR S10)

10/3,K/1 (Item 1 from file: 160)
DIALOG(R)File 160:Gale Group PROMT(R)
(c) 1999 The Gale Group. All rts. reserv.

02021574

Dead-eye detector foils forgers in any language

Asian Wall Street Journal September 19, 1988 p. 8
ISSN: 0191-0132

Cadix (Japan) is offering a system that can accurately **detect** forged signatures. It analyzes the **shape** of the script and the amount of **pressure** applied by the **pen**, and compares the signature in **question** to signatures stored in its memory. The comparison takes just 0.5 sec. The user...

?

13/3,K/1 (Item 1 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
(c) 2005 The Gale Group. All rts. reserv.

02657741 SUPPLIER NUMBER: 94029553 (USE FORMAT 7 OR 9 FOR FULL TEXT)

**It's a grand day for Microsoft's Tablet PC's first public
outing.(Microsoft's Tablet PC graphics tablet)(Software Review)(Brief
Article)(Product/Service Evaluation)**

Doyle, Eric

Computer Weekly, 36

Nov 7, 2002

DOCUMENT TYPE: Product/Service Evaluation Brief Article ISSN:

0010-4787 LANGUAGE: English RECORD TYPE: Fulltext

WORD COUNT: 1162 LINE COUNT: 00092

... store it in its original raw state. So far, it sounds like a standard paper **writing pad** but the electronic nature of the system means that writing can be **pattern** -matched to **find** words even in handwritten form. Scribble "storage" on the screen and the search engine will seek out all words that look similar. A searchable **writing pad** is really something new.

At the heart of the tablet is the operating system and...
?

20/3,K/1 (Item 1 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)
(c) 2005 ProQuest Info&Learning. All rts. reserv.

02384733 128973991

Mutating thumbs

Baker, Glenn

New Zealand Management v49n5 PP: 16 Jun 2002

ISSN: 1174-5339 JRNL CODE: MNZ

WORD COUNT: 558

...TEXT: and sketches digital. A pattern, almost invisible to the naked eye, is printed onto ordinary **paper**. A **digital pen** reads the **pattern** and can thereby **determine** its position and copy the pen movement. The information can then, via a Bluetooth communication...

20/3,K/2 (Item 1 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2005 The Gale Group. All rts. reserv.

09721986 Supplier Number: 84893552 (USE FORMAT 7 FOR FULLTEXT)

Initial Products and Services Enabling Anoto Functionality Launched by Sony Ericsson, Vodafone, 3M and Esselte.

Business Wire, p2236

April 18, 2002

Language: English Record Type: Fulltext

Document Type: Newswire; Trade

Word Count: 773

... sketches digital. A pattern, almost invisible to the naked eye, is printed on to ordinary **paper**. A **digital pen** enabling Anoto functionality reads the **pattern** and can thereby **determine** its' position and copy the pen movement. The information can then via a Bluetooth(TM...

20/3,K/3 (Item 2 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2005 The Gale Group. All rts. reserv.

09628158 Supplier Number: 83758366 (USE FORMAT 7 FOR FULLTEXT)

Logitech and Anoto Join Forces to Introduce Pen and Paper to the PC Platform.

Business Wire, p2186

March 14, 2002

Language: English Record Type: Fulltext

Document Type: Newswire; Trade

Word Count: 1014

... sketches digital. A pattern, almost invisible to the naked eye, is printed on to ordinary **paper**. A **digital pen** enabling Anoto functionality reads the **pattern** and can thereby **determine** its' position and copy the pen movement. The information can then via a Bluetooth(TM...

20/3,K/4 (Item 3 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
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09275994 Supplier Number: 80732723 (USE FORMAT 7 FOR FULLTEXT)

C Technologies' subsidiary Anoto Initiates Collaboration with ReadSoft to Develop Tools to Convert Handwritten Notes.

Business Wire, p2013

Dec 12, 2001

Language: English Record Type: Fulltext

Document Type: Newswire; Trade

Word Count: 933

... sketches digital. A pattern, almost invisible to the naked eye, is printed on to ordinary **paper**. A **digital pen** enabling Anoto functionality reads the **pattern** and can thereby **determine** its' position and copy the pen movement. The information can then via a Bluetoothtm communication...

20/3,K/5 (Item 4 from file: 16)

DIALOG(R)File 16:Gale Group PROMT(R)

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09272623 Supplier Number: 80706385 (USE FORMAT 7 FOR FULLTEXT)

Anoto, Subsidiary of C Technologies, Initiates Collaboration With Groupe Hamelin, the Largest Paper Converting Company in Europe.

Business Wire, p2009

Dec 11, 2001

Language: English Record Type: Fulltext

Document Type: Newswire; Trade

Word Count: 760

... sketches digital. A pattern, almost invisible to the naked eye, is printed on to ordinary **paper**. A **digital pen** enabling Anoto functionality reads the **pattern** and can thereby **determine** its' position and copy the pen movement. The information can then via a Bluetoothtm communication...

20/3,K/6 (Item 5 from file: 16)

DIALOG(R)File 16:Gale Group PROMT(R)

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09128631 Supplier Number: 79544304 (USE FORMAT 7 FOR FULLTEXT)

C Technologies to Acquire Anoto and Implement a New Share Issue Raising Approximately USD 45 Million -SEK 450 Million--.

Business Wire, p2328

Oct 30, 2001

Language: English Record Type: Fulltext

Document Type: Newswire; Trade

Word Count: 1255

... sketches digital. A pattern, almost invisible to the naked eye, is printed on to ordinary **paper**. A **digital pen** enabling Anoto functionality reads the **pattern** and can thereby **determine** its' position and copy the pen movement. The information can then via a Bluetooth(TM)...

20/3,K/7 (Item 6 from file: 16)

DIALOG(R)File 16:Gale Group PROMT(R)

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09128198 Supplier Number: 79533020 (USE FORMAT 7 FOR FULLTEXT)

C Technologies To Acquire Anoto and Implement a New Share Issue Raising SEK

450 Million.

Business Wire, p0003
Oct 30, 2001
Language: English Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 1253

... sketches digital. A pattern, almost invisible to the naked eye, is printed on to ordinary **paper**. A **digital pen** enabling Anoto functionality reads the **pattern** and can thereby **determine** its' position and copy the pen movement. The information can then via a Bluetoothtm communication...

20/3,K/8 (Item 7 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2005 The Gale Group. All rts. reserv.

09015843 Supplier Number: 78549613 (USE FORMAT 7 FOR FULLTEXT)
C Technologies' subsidiary Anoto signs MoU with PenMex to establish the Anoto concept in Latin America.
Business Wire, p0628
Sept 24, 2001
Language: English Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 651

... sketches digital. A pattern, almost invisible to the naked eye, is printed on to ordinary **paper**. A **digital pen** enabling Anoto functionality reads the **pattern** and can thereby **determine** its' position and copy the pen movement. The information can then via a Bluetoothtm...

20/3,K/9 (Item 8 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2005 The Gale Group. All rts. reserv.

09015839 Supplier Number: 78549609 (USE FORMAT 7 FOR FULLTEXT)
C Technologies' subsidiary Anoto is provided with 60 million USD in financing.
Business Wire, p0623
Sept 24, 2001
Language: English Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 743

... sketches digital. A pattern, almost invisible to the naked eye, is printed on to ordinary **paper**. A **digital pen** enabling Anoto functionality reads the **pattern** and can thereby **determine** its' position and copy the pen movement. The information can then via a Bluetoothtm...

20/3,K/10 (Item 9 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
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09011828 Supplier Number: 78522872 (USE FORMAT 7 FOR FULLTEXT)
C Technologies' Subsidiary Anoto is Provided With SEK 600 Million in Financing; C Technologies' subsidiary Anoto signs MoU with PenMex to establish the Anoto concept in Latin America.

Business Wire, p0077
Sept 24, 2001
Language: English Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 995

... sketches digital. A pattern, almost invisible to the naked eye, is printed on to ordinary **paper**. A **digital pen** enabling Anoto functionality reads the **pattern** and can thereby **determine** its' position and copy the pen movement. The information can then via a Bluetoothm communication...

20/3,K/11 (Item 10 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2005 The Gale Group. All rts. reserv.

08037337 Supplier Number: 66867961 (USE FORMAT 7 FOR FULLTEXT)
Pen and Paper Go Digital for the 21st Century; World's First Bluetooth-Internet Capable Digital Pen and Paper Become Reality.
PR Newswire, pNA
Nov 13, 2000
Language: English Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 941

... writing, the digital camera takes a picture 100 times each second. Each picture contains the **pattern** information needed to **determine** the exact position on the grid. The positions create a **digital** trail of the **pen** 's movements on the digital notepad **paper**. The Bluetooth-technology enables the information to be transferred to a mobile phone, a laptop...

20/3,K/12 (Item 11 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2005 The Gale Group. All rts. reserv.

06248788 Supplier Number: 54068653 (USE FORMAT 7 FOR FULLTEXT)
Biometric Basics.(Technology Information)
Randall, Neil
PC Magazine, p193(1)
April 6, 1999
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; General Trade
Word Count: 2060

... recognition systems, also called dynamic signature verification systems, go far beyond simply looking at the **shape** of a signature: They **measure** both the distinguishing features of the signature and the distinguishing features of the process of signing. These features include **pen pressure**, speed, and the points at which the pen is lifted from the **paper**. These behavioral patterns are captured through a specially designed pen or tablet (or both) and...

20/3,K/13 (Item 1 from file: 20)
DIALOG(R)File 20:Dialog Global Reporter
(c) 2005 The Dialog Corp. All rts. reserv.

32367406 (USE FORMAT 7 OR 9 FOR FULLTEXT)

Enterprise - The writing's on the wall for paper and pen.

COMPUTING, p26

November 20, 2003

JOURNAL CODE: WCOM LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 660

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... chipping away for years at an alternative approach, which is the basis for Digital Filofax. **Paper** sheets are printed with a faint background **pattern** of dots which are **recognised** by a tiny camera in the body of a compatible **digital pen**, which not only improves the accuracy of the image stored, but tells the computer what...

20/3,K/14 (Item 2 from file: 20)

DIALOG(R)File 20:Dialog Global Reporter

(c) 2005 The Dialog Corp. All rts. reserv.

26998282 (USE FORMAT 7 OR 9 FOR FULLTEXT)

U. Pennsylvania: High-tech pen makes U.S. debut at U. Penn conference

Christine Hsu

UNIVERSITY WIRE

January 12, 2002

JOURNAL CODE: WUWI LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 438

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... consists of a revved-up pen housing its own tiny camera and sensors and ordinary **paper** encoded with miniscule **patterns**, which are **recognized** by the pen.

Wireless technology then transmits information from the **digital pen** to a computer or other desired digital destination. The image appearing on the computer screen...

20/3,K/15 (Item 3 from file: 20)

DIALOG(R)File 20:Dialog Global Reporter

(c) 2005 The Dialog Corp. All rts. reserv.

18965422 (USE FORMAT 7 OR 9 FOR FULLTEXT)

C TECHNOLOGIES: C Technologies' subsidiary Anoto is provided with 60 million USD in financing

M2 PRESSWIRE

September 24, 2001

JOURNAL CODE: WMPR LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 729

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... sketches digital. A pattern, almost invisible to the naked eye, is printed on to ordinary **paper**.

A **digital pen** enabling Anoto functionality reads the **pattern** and can thereby **determine** its' position and copy the pen movement. The information can then via a Bluetooth(tm)...

20/3,K/16 (Item 4 from file: 20)

DIALOG(R)File 20:Dialog Global Reporter

(c) 2005 The Dialog Corp. All rts. reserv.

17078102

The write stuff

Aparisim Ghosn

ABIX - AUSTRALASIAN BUSINESS INTELLIGENCE (TIME AUSTRALIA) , p98

June 04, 2001

JOURNAL CODE: WTAS LANGUAGE: English RECORD TYPE: ABSTRACT

WORD COUNT: 84

Anoto is a Swedish company that manufactures **digital pens** in mid-2001. Each "Chatpen" contains a microscopic infrared camera that **recognises** the **patterns** written on digital **paper**. A receiver sends the information to a mobile telephone. The message is then forwarded to...
?

28/3,K/1 (Item 1 from file: 9)
DIALOG(R)File 9:Business & Industry(R)
(c) 2005 The Gale Group. All rts. reserv.

02814357 Supplier Number: 25324688 (USE FORMAT 7 OR 9 FOR FULLTEXT)
Digital security: fingerprint recognition devices gain in popularity for authenticating users. (Buyers Guide)

Government Computer News, v 21, n 23, p 48(2)
August 12, 2002
DOCUMENT TYPE: Journal; Industry Overview ISSN: 0738-4300 (United States)
LANGUAGE: English RECORD TYPE: Fulltext
WORD COUNT: 1989

(USE FORMAT 7 OR 9 FOR FULLTEXT)

TEXT:

Biometrics covers such technologies as fingerprint, voice, iris, facial, hand **geometry** and even handwriting and signature **recognition**, the latter involving the angle and **pressure** with which a **pen** or stylus is used.

But the overwhelming majority of current biometric applications make use of ...

28/3,K/2 (Item 1 from file: 20)
DIALOG(R)File 20:Dialog Global Reporter
(c) 2005 The Dialog Corp. All rts. reserv.

26622436 (USE FORMAT 7 OR 9 FOR FULLTEXT)
Research and Markets Ltd: Biometrics Industry, Strategies & Forecasts 2001 2006
M2 PRESSWIRE
December 16, 2002
JOURNAL CODE: WMPR LANGUAGE: English RECORD TYPE: FULLTEXT
WORD COUNT: 1875

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... security.

Biometric security applications are based on semiconductor or optically based direct contact fingerprint image **capture devices**. Other methods of biometric identification include retinal blood vessel or iris pattern **recognition**, hand **geometry recognition**, voice pattern **recognition**, and facial structure.

Proprietary algorithms and customizable application software suites represent a primary industry trend...

28/3,K/3 (Item 1 from file: 141)
DIALOG(R)File 141:Readers Guide
(c) 2005 The HW Wilson Co. All rts. reserv.

04856342 H.W. WILSON RECORD NUMBER: BRGA02106342 (USE FORMAT 7 FOR FULLTEXT)

Homeland Insecurity.

AUGMENTED TITLE: B. Schneier

Mann, Charles C.

Atlantic Monthly (1993) v. 290 no2 (Sept. 2002) p. 81-3, 86-8, 90, 92-6,

98, 100-2
WORD COUNT: 11497

(USE FORMAT 7 FOR FULLTEXT)

TEXT:

... alternatives, some of them already mentioned: fingerprint readers, voiceprint recorders, retina or iris scanners, face- **recognition** devices, hand- **geometry** assayers, even signature-geometry analyzers, which register **pen pressure** and writing speed as well as the appearance of a signature.

Appealingly, biometrics lets people...

28/3,K/4 (Item 1 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2005 The Gale Group. All rts. reserv.

14884187 SUPPLIER NUMBER: 90465629 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Digital security: fingerprint recognition devices gain in popularity for authenticating users. (Buyers Guide).

Kellner, Mark A.

Government Computer News, 21, 23, 48(2)

August 12, 2002

ISSN: 0738-4300

LANGUAGE: English

RECORD TYPE: Fulltext

WORD COUNT: 2109 LINE COUNT: 00259

... software authentication technologies," he said.

Biometrics covers such technologies as fingerprint, voice, iris, facial, hand **geometry** and even handwriting and signature **recognition**, the latter involving the angle and **pressure** with which a **pen** or stylus is used.

But the overwhelming majority of current biometric applications make use of...

28/3,K/5 (Item 1 from file: 636)

DIALOG(R)File 636:Gale Group Newsletter DB(TM)
(c) 2005 The Gale Group. All rts. reserv.

05458974 Supplier Number: 96431413 (USE FORMAT 7 FOR FULLTEXT)

Biometrics Industry, Strategies & Forecasts: 2001-2006.

M2 Presswire, pNA

Jan 14, 2003

Language: English Record Type: Fulltext

Document Type: Newswire; Trade

Word Count: 2170

... security.

Biometric security applications are based on semiconductor or optically based direct contact fingerprint image **capture devices**. Other methods of biometric identification include retinal blood vessel or iris pattern **recognition**, hand **geometry recognition**, voice pattern **recognition**, and facial structure.

Proprietary algorithms and customizable application software suites represent a primary industry trend...

?

File 2:INSPEC 1969-2005/Jun W1
(c) 2005 Institution of Electrical Engineers

File 6:NTIS 1964-2005/Jun W1
(c) 2005 NTIS, Intl Cpyrght All Rights Res

File 8:Ei Compendex(R) 1970-2005/Jun W1
(c) 2005 Elsevier Eng. Info. Inc.

File 34:SciSearch(R) Cited Ref Sci 1990-2005/Jun W2
(c) 2005 Inst for Sci Info

File 35:Dissertation Abs Online 1861-2005/May
(c) 2005 ProQuest Info&Learning

File 62:SPIN(R) 1975-2005/Apr W1
(c) 2005 American Institute of Physics

File 65:Inside Conferences 1993-2005/Jun W2
(c) 2005 BLDSC all rts. reserv.

File 92:IHS Intl.Stds.& Specs. 1999/Nov
(c) 1999 Information Handling Services

File 94:JICST-EPlus 1985-2005/Apr W4
(c)2005 Japan Science and Tech Corp(JST)

File 95:TEME-Technology & Management 1989-2005/May W2
(c) 2005 FIZ TECHNIK

File 99:Wilson Appl. Sci & Tech Abs 1983-2005/May
(c) 2005 The HW Wilson Co.

File 144:Pascal 1973-2005/Jun W1
(c) 2005 INIST/CNRS

File 239:Mathsci 1940-2005/Jul
(c) 2005 American Mathematical Society

File 434:SciSearch(R) Cited Ref Sci 1974-1989/Dec
(c) 1998 Inst for Sci Info

File 583:Gale Group Globalbase(TM) 1986-2002/Dec 13
(c) 2002 The Gale Group

File 603:Newspaper Abstracts 1984-1988
(c)2001 ProQuest Info&Learning

File 483:Newspaper Abs Daily 1986-2005/Jun 07
(c) 2005 ProQuest Info&Learning

File 248:PIRA 1975-2005/May W5
(c) 2005 Pira International

Set	Items	Description
S1	3727	CAPTUR????(3N) (DEVIC?? OR PEN???) OR (PRESSUR???? OR DIGIT-AL??) (3N) PEN???
S2	94061	(DETECT??? OR DETERMIN???? OR DISCOVER??? OR FIND??? OR IDENTIF?????? OR CALCULAT??? OR MEASUR??? OR RECOGN??????) (5N) (-GEOMET??????)
S3	186	(WRITI?? OR WRITT????) (3N) PAD??
S4	6443334	PAPER??
S5	289042	ANSWER???
S6	1276836	QUESTION?? OR QUESTIONNAIR????
S7	5	AU=(TUNNEY W? OR TUNNEY, W?)
S8	19	S2 AND (S1 OR S3)
S9	10	RD (unique items)
S10	3	S9 AND (S4 OR S5 OR S6)
S11	0	S7 AND S2
?		

10/3,K/1 (Item 1 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2005 Institution of Electrical Engineers. All rts. reserv.

8251651 INSPEC Abstract Number: A2005-05-8770H-003, B2005-02-7520C-101, C2005-03-7330-056

Title: Dynamic, three-dimensional optical tracking of an ablative laser beam

Author(s): Gebhart, S.C.; Jansen, E.D.; Galloway, R.L.

Author Affiliation: Dept. of Biomed. Eng., Vanderbilt Univ., Nashville, TN, USA

Journal: Medical Physics vol.32, no.1 p.209-20

Publisher: AIP for American Assoc. Phys. Med,

Publication Date: Jan. 2005 Country of Publication: USA

CODEN: MPHYA6 ISSN: 0094-2405

SICI: 0094-2405(200501)32:1L:209:DTDO;1-G

Material Identity Number: M190-2005-001

U.S. Copyright Clearance Center Code: 0094-2405/2005/32(1)/209/12/\$22.50

Language: English

Subfile: A B C

Copyright 2005, IEE

...Abstract: cutting of midinfrared lasers through image-guided neurosurgery can greatly enhance tumor margin resection. This paper describes a feasibility study designed to optically track in three-dimensional space the articulated arm...

...surgical carbon dioxide laser. Crosstalk between the ablative laser beam and the tracking diodes was **measured**. The **geometry** of the adapted laser handpiece was characterized to track an externally attached passive tip and ...

... or-0.92 mm, respectively, and were equivalent to the errors tracking a 24-IRE **pen** probe from Northern **Digital** in a side-by-side comparison. The majority of error during ablation tracking derived from...

10/3,K/2 (Item 2 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2005 Institution of Electrical Engineers. All rts. reserv.

7846788 INSPEC Abstract Number: B2004-03-6135E-027, C2004-03-5260B-076

Title: An approach to extracting the target text line from a document image captured by a pen scanner

Author(s): Zhen-Long Bai; Qiang Huo

Author Affiliation: Comput. Sci. & Inf. Syst. Dept., Hongkong Univ., Hong Kong, China

Conference Title: Proceedings Seventh International Conference on Document Analysis and Recognition Part vol.1 p.76-80 vol.1

Publisher: IEEE Comput. Soc, Los Alamitos, CA, USA

Publication Date: 2003 Country of Publication: USA 2 vol.xxiv+1279 pp.

ISBN: 0 7695 1960 1 Material Identity Number: XX-2003-02840

U.S. Copyright Clearance Center Code: 0-7695-1960-1/03/\$17.00

Conference Title: Proceedings Seventh International Conference on Document Analysis and Recognition

Conference Sponsor: TC10 (Graphics Recognition) and TC11 (Reading Syst.) of the Int. Assoc. Pattern Recognition (IAPR)

Conference Date: 3-6 Aug. 2003 Conference Location: Edinburgh, UK

Language: English

Subfile: B C

Copyright 2004, IEE

Title: An approach to extracting the target text line from a document image captured by a pen scanner

Abstract: In this **paper**, we present a new approach to extracting the target text line from a document image **captured** by a **pen** scanner. Given the binary image, a set of possible text lines are first formed by...

...by text line merging and adding the missed CCs. The possible target text line is **identified** by using a **geometric** feature based score function and fed to an OCR engine for character recognition. If the...

... above approach is confirmed by experiments on a testing database consisting of 117 document images **captured** by C- Pen and ScanEye pen scanners.

10/3,K/3 (Item 1 from file: 144)

DIALOG(R)File 144:Pascal

(c) 2005 INIST/CNRS. All rts. reserv.

12988952 PASCAL No.: 97-0268625

The enhancement of color image data captured using single chip CCD arrays
Image and video processing IV : San Jose CA, 1-2 February 1996

SCHMITZ B E; STEVENSON R L

STEVENSON Robert L, ed; SEZAN M Ibrahim, ed

Laboratory for Image and Signal Analysis, Department of Electrical Engineering, University of Notre Dame, Notre Dame, IN 46556, United States
International Society for Optical Engineering, Bellingham WA, United States.

Image and video processing. Conference, 4 (San Jose CA USA) 1996-02-01

Journal: SPIE proceedings series, 1996, 2666 97-106

Language: English

Copyright (c) 1997 INIST-CNRS. All rights reserved.

Charge coupled devices (CCDs) are commonly used in image **capture devices** to measure color information. A common inexpensive imaging device will use a single chip CCD...

... in the individual color planes causing artifacts such as blurry edges and false coloring. This **paper** proposes an algorithm for enhancing color image data which was captured with typical single chip...

... well to reduce, and often eliminate, the visible artifacts in this type of color image **capture device**.

English Descriptors: Image processing; Noisy image; Color image; Refining; Modeling; Edge **detection**; Computational **geometry**; Deterministic model; Filtering; Posterior probability; Stochastic process; Optimization; Algorithm; Matrix calculus; Bayes estimation

French Descriptors: Traitement image; Image bruitée; Image couleur; Raffinage; Modélisation; **Détection** contour; **Géométrie** algorithmique; Modèle **déterministe**; Filtrage; Probabilité a posteriori; Processus stochastique; Optimisation; Algorithme; Calcul matriciel; Estimation Bayes; Gaussian image model...

Spanish Descriptors: Procesamiento imagen; Imagen sonora; Imagen color; Refinación; Modelización; Detección contorno; **Geometría** computacional;

Modelo **determinista** ; Filtrado; Probabilidad a posteriori; Proceso estocastico; Optimizacion; Algoritmo; Calculo de matrices; Estimacion Bayes

?

File 348:EUROPEAN PATENTS 1978-2005/Jun W02

(c) 2005 European Patent Office

File 349:PCT FULLTEXT 1979-2005/UB=20050609,UT=20050602

(c) 2005 WIPO/Univentio

Set	Items	Description
S1	9693	CAPTUR????(3N) (DEVIC?? OR PEN???) OR (PRESSUR???? OR DIGIT-AL??) (3N) PEN???
S2	193897	(DETECT??? OR DETERMIN???? OR DISCOVER??? OR FIND??? OR IDENTIF????? OR CALCULAT??? OR MEASUR??? OR RECOGN?????) (5N) (-SHAPE?? OR CONTOUR?? OR FIGURE?? OR PATTERN??)
S3	478	(WRITI?? OR WRITT????) (3N) PAD??
S4	224269	PAPER??
S5	38279	ANSWER???
S6	114111	QUESTION?? OR QUESTIONNAIR????
S7	6	AU=(TUNNEY W? OR TUNNEY, W?)
S8	0	S1(S)S2(S)S3(S)S4(S) (S5 OR S6)
S9	327	(S1 OR S3) (S)S2
S10	24	S9(S) (S5 OR S6)
S11	2	S1(S)S2(S)S3
S12	1	S11 NOT S10
S13	8	S2(S)S3
S14	5	S13 NOT (S11 OR S10)
S15	321	S1(S)S2
S16	23	S15(S) (S5 OR S6)
S17	0	S16 NOT (S11 OR S10 OR S14)
S18	46	S15(S)S4
S19	29	S18 NOT (S11 OR S10 OR S14)
S20	30	S15(20N)S4
S21	19	S20 AND S19
S22	1	S7 AND S2
S23	0	S22 NOT (S11 OR S10 OR S14 OR S19)

10/3,K/1 (Item 1 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
(c) 2005 European Patent Office. All rts. reserv.

01869083

Method for printing digital documents
Verfahren zum Drucken digitaler Dokumente
Procede d'impression de documents numeriques

PATENT ASSIGNEE:

Hewlett-Packard Development Company, L.P., (4337790), 20555 S.H. 249,
Houston, TX 77070, (US), (Applicant designated States: all)

INVENTOR:

Mackenzie, Andrew, Calle Rosellon 157-159, Atico 1a, 08036 Barcelona,
(ES)

Bartolome, Emiliano, Cl Erizana 7 - 2A, 36393 Sabaris-Baiona, Pontevedra,
(ES)

Bonner, Matt, 3803 NE Hassalo Street, Portland, OR 97232, (US)

Combe, Jean-Michel, 24c rue Montroux, 38420 Domene, (FR)

Gonzalez, Manuel, Maspons 1, 2o 1a, 08012 Barcelona, (ES)

LEGAL REPRESENTATIVE:

Leadbetter, Benedict et al (92641), Hewlett-Packard Espanola, S.L., Legal
Department, Avda Graells, 501, 08190 Sant Cugat del Valles, (ES)

PATENT (CC, No, Kind, Date): EP 1515263 A2 050316 (Basic)

APPLICATION (CC, No, Date): EP 2004104289 040906;

PRIORITY (CC, No, Date): US 661001 030910

DESIGNATED STATES: AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR;
HU; IE; IT; LI; LU; MC; NL; PL; PT; RO; SE; SI; SK; TR

EXTENDED DESIGNATED STATES: AL; HR; LT; LV; MK

INTERNATIONAL PATENT CLASS: G06K-015/00; G06F-003/00; G06K-011/00

ABSTRACT WORD COUNT: 61

NOTE:

Figure number on first page: 1

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200511	817
SPEC A	(English)	200511	12208
Total word count - document A			13025
Total word count - document B			0
Total word count - documents A + B			13025

...SPECIFICATION PREFERRED EMBODIMENTS

Referring to Figure 1 a printed "digital" document 100 for use in a
digital pen and paper system comprises a carrier 102 in the form of a
single sheet of...

...identifying markings printed on some parts of it to form areas 107 of a
position- **identifying pattern** 108. This background markings are
referred to as "pattern" in this text. Also printed on...

...use of the document. In this case an example of a very simple two-page
questionnaire is shown, and the content includes a number of boxes 110,
112 which can be...

10/3,K/2 (Item 2 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
(c) 2005 European Patent Office. All rts. reserv.

01752676

Systems and methods for secure transaction management and electronic rights protection

Systeme und Verfahren zur gesicherten Transaktionsverwaltung und elektronischem Rechtsschutz

Systemes et procedes de gestion de transactions securisees et de protection de droits electroniques

PATENT ASSIGNEE:

ELECTRONIC PUBLISHING RESOURCES, INC., (976840), 460 Oakmead Parkway,
Sunnyvale, CA 94086-4708, (US), (Applicant designated States: all)

INVENTOR:

Ginter, Karl L., 10404 43rd Avenue, Beltsville Maryland 20705, (US)
Shear, Victor H., 5203 Battery Lane, Bethesda Maryland 20814, (US)
Spahn, Francis J., 2410 Edwards Avenue, El Cerrito California 94530, (US)
van Wie, David M., 1250 Lakeside Drive, Sunnyvale California 94086, (US)

LEGAL REPRESENTATIVE:

Smith, Norman Ian et al (36041), fJ CLEVELAND 40-43 Chancery Lane,
London WC2A 1JQ, (GB)

PATENT (CC, No, Kind, Date): EP 1431864 A2 040623 (Basic)
EP 1431864 A3 050216

APPLICATION (CC, No, Date): EP 2004075701 960213;

PRIORITY (CC, No, Date): US 388107 950213

DESIGNATED STATES: AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LI; LU; MC;
NL; PT; SE

RELATED PARENT NUMBER(S) - PN (AN):

EP 861461 (EP 96922371)

INTERNATIONAL PATENT CLASS: G06F-001/00; G06F-017/60

ABSTRACT WORD COUNT: 151

NOTE:

Figure number on first page: 77

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200426	1450
SPEC A	(English)	200426	166929
Total word count - document A			168379
Total word count - document B			0
Total word count - documents A + B			168379

10/3,K/3 (Item 3 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

(c) 2005 European Patent Office. All rts. reserv.

01162442

Voice control input for portable capture devices

Sprachgesteuertes Eingabegerat fur tragbare Erfassungseinrichtungen

Dispositif d'entree a commande vocale pour appareils de saisie portatifs

PATENT ASSIGNEE:

Hewlett-Packard Company, (206030), 3000 Hanover Street, Palo Alto,
California 94304, (US), (Applicant designated States: all)

INVENTOR:

Oliver, Thomas C., 1742 Barnwood Dr., Fort Collins, CO 80525, (US)

LEGAL REPRESENTATIVE:

Schoppe, Fritz, Dipl.-Ing. (55463), Schoppe, Zimmermann & Stockeler
Patentanwalte Postfach 71 08 67, 81458 Munchen, (DE)

PATENT (CC, No, Kind, Date): EP 1014338 A1 000628 (Basic)

APPLICATION (CC, No, Date): EP 99115485 990805;

PRIORITY (CC, No, Date): US 219970 981223

DESIGNATED STATES: DE; FR; GB

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI
INTERNATIONAL PATENT CLASS: G10L-015/26
ABSTRACT WORD COUNT: 167
NOTE:

Figure number on first page: 3

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200026	1205
SPEC A	(English)	200026	5108
Total word count - document A			6313
Total word count - document B			0
Total word count - documents A + B			6313

...SPECIFICATION FIG. 3.

FIG. 5 shows a generalized flow chart for executing a command by the **capture device** of the present invention. One skilled in the art will recognize that the order of...

...Referring now to FIG. 5, step 500 accesses the set of instructions linked to the **recognition pattern** matching the voice control input command received in step 302. Step 502 determines if the set of instructions begins with a time delay instruction. If the **answer** is yes, then in step 504 the time delay instruction is executed, suspending further execution...

10/3,K/4 (Item 4 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
(c) 2005 European Patent Office. All rts. reserv.

00951596

METHOD AND DEVICE FOR DETECTION OF DEPOSIT VALUE INDICIA
VERFAHREN UND EINRICHTUNG ZUR FESTSTELLUNG VON PFANDWERTANZEIGEN
PROCEDE ET DISPOSITIF DE DETECTION D'INSCRIPTIONS RELATIVES A UNE VALEUR DE
CONSIGNE

PATENT ASSIGNEE:

Tomra Systems ASA, (2471030), Drengsrudhagen 2, 1370 Asker, (NO),
(Proprietor designated states: all)

INVENTOR:

SIVERTSEN, Ronald, Vabratén 50, N-1392 Vettre, (NO)
NORDBRYHN, Andreas, Nilserudkleiva 12a, N-0874 Oslo, (NO)

LEGAL REPRESENTATIVE:

Onn, Thorsten et al (23893), Zacco Sweden AB P.O. Box 23101, 104 35
Stockholm, (SE)

PATENT (CC, No, Kind, Date): EP 932877 A1 990804 (Basic)
EP 932877 B1 030521
WO 98018099 980430

APPLICATION (CC, No, Date): EP 97944233 971020; WO 97NO278 971020

PRIORITY (CC, No, Date): NO 964507 961023

DESIGNATED STATES: AT; BE; CH; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI; LU;
MC; NL; PT; SE

EXTENDED DESIGNATED STATES: AL; LT; LV; RO; SI

INTERNATIONAL PATENT CLASS: G06K-007/14; B07C-005/342

NOTE:

No A-document published by EPO

LANGUAGE (Publication,Procedural,Application): English; English; Norwegian
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	200321	1062

CLAIMS B	(German)	200321	885
CLAIMS B	(French)	200321	1285
SPEC B	(English)	200321	2199
Total word count - document A			0
Total word count - document B			5431
Total word count - documents A + B			5431

...SPECIFICATION for the issue of a deposit receipt or direct payment of a deposit sum.

When **recognising** the **shape** of the bottle 6, the means 3, together with the signal processor 4 in the...

...the vertical direction is generally known, the area in elevation where the bottle cap in **question** is expected to be will as a rule be easy to compute. Consequently, the processing...

...location of a section representative of the deposit value indicia 12 in the television image **captured** by the **device** 1.

The bottles 6 are transported by means of a conveyor 7 from an insertion...

10/3,K/5 (Item 1 from file: 349)
 DIALOG(R)File 349:PCT FULLTEXT
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01216321 **Image available**

PRINTING DIGITAL DOCUMENTS

IMPRESSION DE DOCUMENTS NUMERIQUES

Patent Applicant/Assignee:

HEWLETT-PACKARD DEVELOPMENT COMPANY L P, Legal dept., 20555 S.H. 249,
 Houston, Texas 77070, US, US (Residence), US (Nationality), (For all
 designated states except: US)

Patent Applicant/Inventor:

GONZALEZ Manuel, Maspons 1, 2o 1a, E-08012 Barcelona, ES, ES (Residence),
 ES (Nationality), (Designated only for: US)

MACKENZIE Andrew, Calle Rosellon 157-159, Atico 1a, E-08036 Barcelona, ES
 , ES (Residence), GB (Nationality), (Designated only for: US)

RUEDA Eric, Mas du Buisson, F-38760 Saint Paul de Varcès, FR, FR
 (Residence), FR (Nationality), (Designated only for: US)

Legal Representative:

LEADBETTER Benedict (agent), Hewlett-Packard Espanola, S.L., Legal Dept.,
 Avda Graells, 501, E-08174 Sant Cugat del Valles, ES,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200524617 A2-A3 20050317 (WO 0524617)

Application: WO 2004EP52085 20040908 (PCT/WO EP04052085)

Priority Application: GB 200321167 20030910

Designated States:

(All protection types applied unless otherwise stated - for applications
 2004+)

AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH CN CO CR CU CZ DE DK DM
 DZ EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC
 LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NA NI NO NZ OM PG PH PL PT RO
 RU SC SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW
 (EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC NL PL PT RO
 SE SI SK TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) BW GH GM KE LS MW MZ NA SD SL SZ TZ UG ZM ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 8053

Fulltext Availability:
Detailed Description

Detailed Description

... DESCRIPTION OF THE PREFERRED EMBODIMENTS

Referring to Figure I a document 100 for use in **digital pen** and paper system comprises a carrier 102 in the form of a single sheet of...

...identifying markings printed on some parts of it to form areas 107 of a position- **identifying pattern** 108. These background markings are referred to as "pattern" in this text. Also printed on...

...use of the document. In this case an example of a very simple two-page **questionnaire** is shown, and the content includes a number of boxes 110, 112 which can be...

10/3,K/6 (Item 2 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

(c) 2005 WIPO/Univentio. All rts. reserv.

01216294 **Image available**

ERASING MARKINGS IN DIGITAL PEN AND PAPER SYSTEMS

MARQUAGES D'EFFACAGE DANS DES SYSTEMES PLUME ET PAPIER NUMERIQUES

Patent Applicant/Assignee:

HEWLETT-PACKARD DEVELOPMENT COMPANY L P, Legal dept., 20555 S.H. 249, Houston, Texas 77070, US, US (Residence), US (Nationality), (For all designated states except: US)

Patent Applicant/Inventor:

BROUHON Patrick, 214 Chemin des Reposes, F-38410 Saint Martin d'Uriage, FR, FR (Residence), FR (Nationality), (Designated only for: US)

COMBE Jean-Michel, 24c rue Montroux, F-38420 Domene, FR, FR (Residence), FR (Nationality), (Designated only for: US)

Legal Representative:

LEADBETTER Benedict (agent), Hewlett-Packard Espanola, S.L., Legal Dept., Avda Graells, 501, E-08174 Sant Cugat del Valles, ES,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200524544 A2 20050317 (WO 0524544)

Application: WO 2004EP51941 20040827 (PCT/WO EP04051941)

Priority Application: GB 200321175 20030910

Designated States:

(All protection types applied unless otherwise stated - for applications 2004+)

AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH CN CO CR CU CZ DE DK DM
DZ EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC
LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NA NI NO NZ OM PG PH PL PT RO
RU SC SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW
(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC NL PL PT RO
SE SI SK TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) BW GH GM KE LS MW MZ NA SD SL SZ TZ UG ZM ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 12196

Fulltext Availability:
Detailed Description

Detailed Description

... EMBODIMENTS OF THE
INVENTION

Referring to Figure 1 a document 100 for use in a **digital pen** and paper system comprises a carrier 102 in the form of a single sheet of...

...markings 106 printed on some parts of it to form areas 107 of a position **identifying pattern** 108. Also printed on the paper 104 are further markings 109 which are clearly visible...use of the document. In this case an example of a very simple two page **questionnaire** is shown, and the content includes a number of boxes 110, 112 which can be...

...a send box 122 to be checked by the user when he has completed the **questionnaire** to initiate a document completion process by which pen stroke data is forwarded for processing...

...the headings or labels 124 for the various boxes 110, 112, 118, 120. The position **identifying pattern** 108 is only printed onto the parts of the form which the user is expected...

10/3,K/7 (Item 3 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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01216293 **Image available**

A DATA STRUCTURE FOR AN ELECTRONIC DOCUMENT AND RELATED METHODS

STRUCTURE DE DONNEES POUR DOCUMENT ELECTRONIQUE, ET PROCEDES ASSOCIES

Patent Applicant/Assignee:

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Patent Applicant/Inventor:

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MACKENZIE Andrew, Calle Rosellon 157-159, Atico 1a, E-08036 Barcelona, ES, ES (Residence), GB (Nationality), (Designated only for: US)

Legal Representative:

LEADBETTER Benedict (agent), Hewlett-Packard Espanola, S.L., Legal Dept., Avda Graells, 501, E-08174 Sant Cugat del Valles, ES,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200525204 A1 20050317 (WO 0525204)

Application: WO 2004EP51940 20040827 (PCT/WO EP04051940)

Priority Application: GB 200321171 20030910

Designated States:

(All protection types applied unless otherwise stated - for applications 2004+)

AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH CN CO CR CU CZ DE DK DM
DZ EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC
LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NA NI NO NZ OM PG PH PL PT RO
RU SC SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW
(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC NL PL PT RO
SE SI SK TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) BW GH GM KE LS MW MZ NA SD SL SZ TZ UG ZM ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English
Fulltext Word Count: 7253

Fulltext Availability:
Detailed Description

Detailed Description

... THE PREFERRED EMBODIMENTS

Referring to Figure I a digital document 100 for use in a **digital pen** and paper system comprises a carrier 102 in the form of a single sheet of paper 104 with position identifying markings 106 printed on some parts of it to define **pattern** areas 107 of a position **identifying pattern** 108. Also printed on the paper 104 are further markings 109 which are clearly visible...

...use of the document. In this case an example of a very simple two page **questionnaire** is shown, and the content includes a number of boxes 110, 112 which can be...

...a send box 122 to be checked by the user when he has completed the **questionnaire** to initiate a document completion process by which pen stroke data is forwarded for processing...

...the headings or labels 124 for the various boxes 110, 112, 118, 120. The position **identifying pattern** 108 is only printed onto the parts of the document 100 which the user is...

10/3,K/8 (Item 4 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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01216291 **Image available**

CREATION OF DOCUMENTS WITH POSITION IDENTIFICATION PATTERN
CREATION DE DOCUMENTS AVEC MOTIF D'IDENTIFICATION DE POSITION

Patent Applicant/Assignee:

HEWLETT-PACKARD DEVELOPMENT COMPANY L P, Legal dept., 20555 S.H. 249,
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Legal Representative:

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Avda Graells, 501, E-08174 Sant Cugat del Valles, ES,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200524701 A2-A3 20050317 (WO 0524701)

Application: WO 2004EP51938 20040827 (PCT/WO EP04051938)

Priority Application: GB 200321172 20030910

Designated States:

(All protection types applied unless otherwise stated - for applications
2004+)

AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH CN CO CR CU CZ DE DK DM
DZ EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC

LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NA NI NO NZ OM PG PH PL PT RO
RU SC SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW
(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC NL PL PT RO
SE SI SK TR
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
(AP) BW GH GM KE LS MW MZ NA SD SL SZ TZ UG ZM ZW
(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 10813

Fulltext Availability:

Detailed Description

Detailed Description

... system of Figure 5.

Referring to Figure 1 a document 100 for use in a **digital pen** and
paper
system comprises a carrier 102 in the form of a single sheet of...

...markings 106 printed on some parts of it to form areas 107 of a position
identifying pattern 108. Also printed on the paper 104 are further
markings 109 which are clearly visible...

...use of the document. In this case an example of a very simple two page
questionnaire is shown, and
the content includes a number of boxes 110, 112 which can be...

...a send box 122 to be checked by the user when he has
completed the **questionnaire** to initiate a document completion process
by
which pen stroke data is forwarded for processing...

...the headings or labels 124 for the various
boxes 110, 112, 118, 120. The position **identifying pattern** 108 is
only
printed onto the parts of the form which the user is expected...

10/3,K/9 (Item 5 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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01216289 **Image available**

**METHODS, APPARATUS AND SOFTWARE FOR PRINTING LOCATION PATTERN AND PRINTED
MATERIALS**

**PROCEDES, APPAREIL ET LOGICIEL POUR IMPRIMER UN MODELE D'EMPLACEMENT ET
MATIERES IMPRIMEES**

Patent Applicant/Assignee:

HEWLETT-PACKARD DEVELOPMENT COMPANY L P, Legal dept., 20555 S.H. 249,
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LAMMENS Johan, Josep Carner 13/2/1, E-08190 Sant Cugat del Valles,
Barcelona, ES, ES (Residence), BE (Nationality), (Designated only for:
US)

Legal Representative:

LEADBETTER Benedict (agent), Hewlett-Packard Espanola, S.L., Legal Dept.,
Avda Graells, 501, E-08174 Sant Cugat del Valles, ES,
Patent and Priority Information (Country, Number, Date):

Patent: WO 200525201 A2-A3 20050317 (WO 0525201)
Application: WO 2004EP51935 20040827 (PCT/WO EP04051935)
Priority Application: GB 200321164 20030910

Designated States:

(All protection types applied unless otherwise stated - for applications
2004+)

AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH CN CO CR CU CZ DE DK DM
DZ EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC
LK LR LS LT LU LV MA MD MG MK MN MW MX NA NI NO NZ OM PG PH PL PT RO
RU SC SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW
(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC NL PL PT RO
SE SI SK TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) BW GH GM KE LS MW MZ NA SD SL SZ TZ UG ZM ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 30184

Fulltext Availability:

Detailed Description

Detailed Description

... instructive legends 258, 260, 262 printed on it, and three areas of
Anoto-type position- **determining pattern** 264, 266, 268 associated
with the instructions 258, 260 and 262 respectively. Also printed on...

...asked to trace line 272 across the page. The user
does these acts using a **digital pen**, such as the Logitech IOTIVI. When
the
user writes on the pattern areas 264, 266, 268 the writing is **captured**
digitally by the **pen** and sent off-pen to a processor (not shown). The
user's attempts to fill in the form/ **answer** the **questions** can then be
assessed by
software and/or a remote person. Thus the form can...

10/3,K/10 (Item 6 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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01216287 **Image available**

PRINTING OF DOCUMENTS WITH POSITION IDENTIFICATION PATTERN

IMPRESSION DE DOCUMENTS AVEC MOTIF D'IDENTIFICATION DE POSITION

Patent Applicant/Assignee:

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Houston, TX 77070, US, US (Residence), US (Nationality), (For all
designated states except: US)

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COMBE Jean-Michel, 24c rue Montroux, F-38420 Domene, FR, FR (Residence),
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Legal Representative:

LEADBETTER Benedict (agent), Hewlett-Packard Espanola, S.L., Legal Dept.,
Avda Graells, 501, E-08174 Sant Cugat del Valles, ES,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200524700 A2-A3 20050317 (WO 0524700)

Application: WO 2004EP51933 20040827 (PCT/WO EP04051933)

Priority Application: GB 200321168 20030910

Designated States:

(All protection types applied unless otherwise stated - for applications 2004+)

AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH CN CO CR CU CZ DE DK DM
DZ EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC
LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NA NI NO NZ OM PG PH PL PT RO
RU SC SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW
(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC NL PL PT RO
SE SI SK TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) BW GH GM KE LS MW MZ NA SD SL SZ TZ UG ZM ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 10002

Fulltext Availability:

Detailed Description

Detailed Description

... system of Figure 5.

Referring to Figure I a document 100 for use in a **digital pen** and paper system comprises a carrier 102 in the form of a single sheet of...

...markings 106 printed on some parts of it to form areas 107 of a position **identifying pattern** 108. Also printed on the paper 104 are further markings 109 which are clearly visible...

...use of the document. In this case an example of a very simple two page **questionnaire** is shown, and the content includes a number of boxes 110, 112 which can be...

...a send box 122 to be checked by the user when he has completed the **questionnaire** to initiate a document completion process by which pen stroke data is forwarded for processing...

...the headings or labels 124 for the various boxes 110, 112, 118, 120. The position **identifying pattern** 108 is only printed onto the parts of the form which the user is expected...

...1 1 8, the comments boxes 120, 121 and the send box 122. ,

Referring to **Figure 2**, the position **identifying pattern** 108 is made up of a number of dots 130 arranged on an imaginary grid...

...example by means of a co-ordinate reference, the document and any position on the **patterned** parts of it can be **identified** from the **pattern** printed on it. An example of this type of pattern is described in WO 01/26033. It will be appreciated that other position **identifying patterns** can equally be used. Some examples of other suitable patterns are described in WO 00...

10/3,K/11 (Item 7 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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01203186 **Image available**

METHOD AND SYSTEM FOR IDENTIFYING MULTIPLE QUESTIONNAIRE PAGES
PROCEDE ET SYSTEME PERMETTANT D'IDENTIFIER DE MULTIPLES PAGES DE
QUESTIONNAIRE

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Patent Applicant/Inventor:

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Legal Representative:

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Suite 700, Washington, DC 20005-1257, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200510659 A2-A3 20050203 (WO 0510659)

Application: WO 2004US20151 20040623 (PCT/WO US04020151)

Priority Application: US 2003625596 20030724

Designated States:

(All protection types applied unless otherwise stated - for applications
2004+)

AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH CN CO CR CU CZ DE DK DM
DZ EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC
LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NA NI NO NZ OM PG PH PL PT RO
RU SC SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW
(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC NL PL PT RO
SE SI SK TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) BW GH GM KE LS MW MZ NA SD SL SZ TZ UG ZM ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 5764

Fulltext Availability:

Detailed Description

Claims

Detailed Description

... 00111 Embodiments of the present invention provide a simple and transparent method to identify multiple **questionnaire** pages. The method includes a processor receiving capture data from the **capture device**, where the **capture** data represents writings made on multiple copies of paper. The method further includes the processor **detecting** the **shapes** of the writings and comparing the **detected shapes** with a plurality of **shapes** stored in memory in association with a logical set. The method further includes the processor, upon matching the **detected shapes** with the stored **shapes**, designating to which copy of the paper each matched **detected shape** belongs. Lastly, the method includes the processor retrieving from memory the data, e.g., **questionnaire answers**, associated with the matched stored shapes, and then storing the retrieved data according to its...

...paper. The capture data is advantageously generated by simply using pieces of paper and the **capture device** without having to rely on more complex, bulky devices with graphical user interfaces.

...for the circle check box. When the processor 220 receives both sets of coordinates and **detects** the two **shapes** ,, the processor 220 **determines** that the rectangle and circle belong to the same logical set and, hence, correspond to...

...having thereon cross marks may be discarded as an incorrect answer and the filled-in **shape** recorded immediately thereafter may be **identified** as the correct **answer** . In these instances,, the **capture device** 160 records more than one set of marks for the same **question** . The **capture device** 160 records the set of marks for filling in a shape associated with a first **answer** the set of marks for crossing out the first shape, and the set of marks for filling in a shape associate with a second **answer** . Hencef the first shape and the cross marks may be discarded.
[0044] For example,, in...

Claim

... 7,, wherein the mapping includes:
retrieving from memory predefined shapes expected to be on the **capture device** ;
comparing the indicated **shapes** to the predefined **shapes** ;
determining which of the predefined **shapes** match the indicated **shapes** ;
determining on which page each of the indicated shapes belongs based on the match; and
storing the **questionnaire answers** corresponding to the **determined** predefined **shapes** on the **determined** pages.

16 The method of claim 15, further including:
receiving an identification of the paper...

10/3,K/12 (Item 8 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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01070612 **Image available**
SYSTEM FOR DETERMINING SATELLITE RADIO LISTENER STATISTICS
SYSTEME D'ETABLISSEMENT DE STATISTIQUES SUR LES AUDITEURS DE RADIOS PAR SATELLITE

Patent Applicant/Assignee:

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Legal Representative:

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Louisville, CO 80027-5015, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 2003101103 A1 20031204 (WO 03101103)

Application: WO 2003US14823 20030512 (PCT/WO US0314823)

Priority Application: US 2002382070 20020520; US 2002315911 20021209

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ
EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR
LS LT LU LV MA MD MG MK MN MW MX MZ NI NO NZ OM PH PL PT RO RU SC SD SE
SG SK SL TJ TM TN TR TT TZ UA UG UZ VC VN YU ZA ZM ZW

(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC NL PT RO SE
SI SK TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 6240

Fulltext Availability:

Detailed Description

Detailed Description

... for packets of data. The satellite radio data device 103 queries whether a message synchronization **pattern** was **detected**. If the **answer** to this query is no, the satellite radio data device 103 continues to monitor the modulated connection 156. If the **answer** to the query is yes, then in step 308 the satellite radio data **device** 103 **captures** the message header, command, data and the terminator of the data packet. In this step...

10/3,K/13 (Item 9 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00993691 **Image available**

METHOD AND SYSTEM OF PROVIDING MEDICAL PRODUCTS

METHODE ET SYSTEME DE DISTRIBUTION DE PRODUITS MEDICAU

Patent Applicant/Assignee:

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, US (Nationality)

Inventor(s):

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70123, US,

Patent Applicant/Inventor:

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LA 70123, US, US (Residence), US (Nationality), (Designated only for:
US)

RAU Ann E, MedEx Systems, Inc., 540 Elmwood Park Blvd., Jefferson, LA
70123, US, US (Residence), US (Nationality), (Designated only for: US)

Legal Representative:

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Patent and Priority Information (Country, Number, Date):

Patent: WO 200323681 A1 20030320 (WO 0323681)

Application: WO 2002US29106 20020913 (PCT/WO US0229106)

Priority Application: US 2001318973 20010913

Designated States:

(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ
EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR
LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI
SK SL TJ TM TN TR TT TZ UA UG UZ VN YU ZA ZM ZW

(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LU MC NL PT SE SK TR
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW
(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 9545

Fulltext Availability:

Claims

Claim

... physicians' queues without Airther authorization, firewalls, secured site layers (SSL), and other security I 0 **measures** .

Figure 6 is an exemplary flowchart schematic of atiother portion of the provider system for refilling...step 316, the refill i.nformation is captured, In one embodiment, call center personnel or **devices** can **capture** presciption information from a patient via telephone communication. Such information can ...requested either through menus or emails. The physician can be infbanned of the request. and **answer** at some appropriate the and manner through the provider system as described above. The refill...

10/3,K/14 (Item 10 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00984073 **Image available**

PRINTING CARTRIDGE WITH TWO DIMENSIONAL CODE IDENTIFICATION

CARTOUCHE D'IMPRESSION A IDENTIFICATION DE CODE A DEUX DIMENSIONS

Patent Applicant/Assignee:

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Patent Applicant/Inventor:

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Legal Representative:

SILVERBROOK Kia (agent), Silverbrook Research Pty Ltd, 393 Darling Street, Balmain, New South Wales 2041, AU,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200313869 A2-A3 20030220 (WO 0313869)

Application: WO 2002AU915 20020709 (PCT/WO AU0200915)

Priority Application: US 2001922159 20010806

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ
EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR
LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI
SK SL TJ TM TN TR TT TZ UA UG US UZ VN YU ZA ZM ZW

(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LU MC NL PT SE SK TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 142147

Fulltext Availability:
Detailed Description

Detailed Description

... unit 1 can include an area image sensor 2 which sensors an image 3 for captured by the camera. Optionally, the second area image sensor can be provided to also image...

10/3,K/15 (Item 11 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00984066 **Image available**

**A PRINTING CARTRIDGE WITH CAPACITIVE SENSOR IDENTIFICATION
CARTOUCHE D'IMPRESSION COMPORTANT UNE FONCTION D'IDENTIFICATION DES
CAPTEURS CAPACITIFS**

Patent Applicant/Assignee:

SILVERBROOK RESEARCH PTY LTD, 393 Darling Street, Balmain, New South
Wales 2041, AU, AU (Residence), AU (Nationality), (For all designated
states except: US)

Patent Applicant/Inventor:

SILVERBROOK Kia, Silverbrook Research Pty Ltd, 393 Darling Street,
Balmain, New South Wales 2041, AU, AU (Residence), AU (Nationality),
(Designated only for: US)

Legal Representative:

SILVERBROOK Kia (agent), Silverbrook Research Pty Ltd, 393 Darling
Street, Balmain, New South Wales 2041, AU,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200313862 A1 20030220 (WO 0313862)
Application: WO 2002AU1055 20020806 (PCT/WO AU0201055)
Priority Application: US 2001922112 20010806

Designated States:

(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ
EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR
LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI
SK SL TJ TM TN TR TT TZ UA UG US UZ VN YU ZA ZM ZW
(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LU MC NL PT SE SK TR
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW
(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 143013

Fulltext Availability:
Detailed Description

Detailed Description

... for Read is described in the following table. Note that the
interpretations of some bit patterns are deliberately chosen to aid
decoding.

Bits Description
2 00 = NOP
01 = Read

10/3,K/16 (Item 12 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT
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00984064 **Image available**

A PRINTING CARTRIDGE WITH SWITCH ARRAY IDENTIFICATION

CARTOUCHE D'IMPRESSION AVEC IDENTIFICATION D'UNE MATRICE DE COMMUTATEURS

Patent Applicant/Assignee:

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Patent and Priority Information (Country, Number, Date):

Patent: WO 200313860 A1 20030220 (WO 0313860)

Application: WO 2002AU1053 20020806 (PCT/WO AU02001053)

Priority Application: US 2001922029 20011022

Designated States:

(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ
EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR
LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI
SK SL TJ TM TN TR TT TZ UA UG US UZ VN YU ZA ZM ZW
(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LU MC NL PT SE SK TR
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW
(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 142964

Fulltext Availability:

Detailed Description

Detailed Description

... process block is described in the following table. Note that the
interpretations of some bit **patterns** are deliberately chosen to aid
decoding.

Bits Description

3 000 = NOP

001 = Shift Left (unsigned...

10/3,K/17 (Item 13 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00984062 **Image available**

IMAGE PRINTING APPARATUS INCLUDING A MICROCONTROLLER

APPAREIL D'IMPRESSION D'IMAGES COMPRENANT UNE MICRO-UNITE DE COMMANDE

Patent Applicant/Assignee:

SILVERBROOK RESEARCH PTY LTD, 393 Darling Street, Balmain, New South
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Patent and Priority Information (Country, Number, Date):

Patent: WO 200313858 A1 20030220 (WO 0313858)

Application: WO 2002AU920 20020709 (PCT/WO AU0200920)

Priority Application: US 2001922275 20010806

Designated States:

(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ
EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR
LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI
SK SL TJ TM TN TR TT TZ UA UG US UZ VN YU ZA ZM ZW

(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LU MC NL PT SE SK TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 140412

Fulltext Availability:

Detailed Description

Detailed Description

... for reading the line above and below the current line. They provide
the input for **determining** the slope in Y.

Omni Light@

In the case of the Omni

10/3,K/18 (Item 14 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00909145 **Image available**

**PLANAR LASER ILLUMINATION AND IMAGING (PLIIM) SYSTEMS WITH INTEGRATED
DESPECKLING MECHANISMS PROVIDED THEREIN**
**SYSTEMES PLIIM D'ILLUMINATION ET D'IMAGERIE AU LASER PLANAIRE A MECANISME
DE DECHATOIEMENT INTEGRE**

Patent Applicant/Assignee:

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Patent and Priority Information (Country, Number, Date):

Patent: WO 200243195 A2-A3 20020530 (WO 0243195)
 Application: WO 2001US44011 20011121 (PCT/WO US0144011)
 Priority Application: US 2000721885 20001124; US 2001780027 20010209; US
 2001781665 20010212; US 2001883130 20010615; US 2001954477 20010917; US
 2001999687 20011031

Parent Application/Grant:

Related by Continuation to: US 2001954477 20010917 (CIP)

Designated States:

(Protection type is "patent" unless otherwise stated - for applications
 prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ
 EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR
 LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL
 TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW
(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 298301

Fulltext Availability:

Claims

Claim

... 3A;

Fig. 31 is a schematic representation of a hand-supportable bar code symbol reading **device**

embodying the PLUM-based system of Fig. 3A;

Fig. 3JI is a schematic representation of...particular capabilities of the Data Element Queuing, Handling and Processing Subsystem thereof in response to **answers** provided during system configuration process; Fig. 10C is a flow chart illustrating the steps involved...

...the PLHM-based subsystem extend, thereby providing a region of space into which an optional **device** can be mounted for carrying out a speckle-pattern noise reduction solution in accordance with...the system of Fig. 111 IA, the number of substantially different time-varying speckle-noise **pattern** samples which need to be generated per each photo-integration time interval of the image...

10/3,K/19 (Item 15 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00847581 **Image available**

**INTERACTIVE ORTHODONTIC CARE SYSTEM BASED ON INTRA-ORAL SCANNING OF TEETH
SYSTEME DE SOIN ORTHODONTIQUE INTERACTIF BASE SUR L'ANALYSE INTRA-BUCCALE
DES DENTS**

Patent Applicant/Assignee:

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Patent and Priority Information (Country, Number, Date):

Patent: WO 200180761 A2-A3 20011101 (WO 0180761)

Application: WO 2001US11969 20010413 (PCT/WO US0111969)

Priority Application: US 2000552189 20000419; US 2000552190 20000419; US 2000560127 20000428; US 2000560128 20000428; US 2000560129 20000428; US 2000560130 20000428; US 2000560131 20000428; US 2000560132 20000428; US 2000560133 20000428; US 2000560134 20000428; US 2000560583 20000428; US 2000560584 20000428; US 2000560640 20000428; US 2000560641 20000428; US 2000560642 20000428; US 2000560643 20000428; US 2000560644 20000428; US 2000560645 20000428; US 2000560646 20000428; US 2000560647 20000428; US 2000613093 20000428; US 2000616093 20000428; US 2000616093 20000713

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE DK DM DZ EE
ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT
LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM
TR TT TZ UA UG UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 60676

Fulltext Availability:

Claims

Claim

... this method, first certain shape information of teeth is acquired. A uniplanar target archform is **calculated** from the **shape** information. The **shape** of customized bracket slots, the bracket base, and the shape of an orthodontic arch (inverted... digital treatment plan sent to the orthodontist for review, interactive modification, or approval. Scanners are devices for **capturing** and recording information from a surface of an object. Scanners for obtaining information from a... can also be determined. Further, the apparatus provides for simulation of tooth movement between current and target stages. In its broader aspects, the apparatus comprises a workstation... registration procedure on the frames, as described below. Since each point on the surface (inverted **question** mark) of the object is captured in a plurality of images (such as five...

...and thereby provide information to the surface configuration. This information as to the surface is **captured** by the imaging **device** as two-dimensional images of the reflection pattern. These images are processed, in accordance... range may still be able to be imaged and decoded. First, the electronic imaging **device** **captures** an image and the image is subject to the pattern recognition and decoding, steps 80...

...object are also measured relative to a virtual plane Z 1. Now, Table 1 (**Figure** 26) is referred to **determine** the new values in the X and Y direction for this point in space and... of the scanning workstation 16, step 86 of Figure 6. This process is '(inverted **question** mark) formed, for every ray R, in the projection pattern that is

p

-53

recorded...

...ect being scanned.

-PFarf'3-. -G an-eratiUn af D i Ofal]m

@f(inverted **question** mark)s-s

A complete three-dimensional model of the patient's dentition can be...

...associated anatomical structure. Referring back to Figure 6, the first step is a pattern **recognition** process on the captured image.' **Figure** 28 is an illustration of the image of **Figure** 27 after pattern 54

recognition and filtering operations have been performed. The filtering operation basically returns a zero pixel value...

...33 is another example of a bitmap image obtained by the electronic imaging device (inverted **question** mark)f the scanner. Figure 34 is a planview of the three-dimensional surface obtained...ro-c-e-s-s dfYe-gi-sfdr-on-g -one-ftuil@u--t(inverted **question** mark))'another, a segment registration process 194 to register segments (Le., portions of a scan...movements in the Z direction do not provide significant new information on the obj(inverted **question** mark)ct being scanned. 'However, because of the focus optics of the electronic imaging device... of the square root of the sum of the squares of the minimum distance vectors **calculated** in step 1 (210) of **Figure** 40A, which indicates the closeness factor quality of the registration in this iteration, value MA ...

...is chosen as the starting frame for the registration and there is no transf(inverted **question** mark)rmation matrix for that frame.

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C. Cumulative Registration of Entire Jaw

As noted...

10/3,K/20 (Item 16 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00847100

ALBUMIN FUSION PROTEINS

PROTEINES FUSIONNEES A L'ALBUMINE

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Patent and Priority Information (Country, Number, Date):

Patent: WO 200179258 A1 20011025 (WO 0179258)

Application: WO 2001US12008 20010412 (PCT/WO US0112008)

Priority Application: US 2000229358 20000412; US 2000199384 20000425; US

2000256931 20001221

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ
EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS
LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ
TM TR TT TZ UA UG US UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 113319

Fulltext Availability:

Detailed Description

Detailed Description

... in SEQ ID NO: 1 S), is responsible for a significant proportion of the osmotic **pressure** of serum and also functions as a carrier of endogenous and. exogenous ligands. At present...or 50'C. Data is nonnalized to the biological activity of hGH at time zero.

Figures 3A and 3B compare the biological activity of HA-hGH with hGH in the Nb2...be fiat such as a sheet, test strip, etc.

Preferred supports include polystyrene beads(inverted **question** mark)
Those skilled in the art will know many other suitable carriers for binding antibody...may be in aqueous form and may be stored
68

under less than ideal (inverted **question** mark)ircurrstances without significant loss of therapeufic activity.

Albunun fusion proteins of the invention can...more of the following drugs: infliximab (also known as Ren-ucadeTM Centocor, Inc.), Trocade(inverted **question** mark)(Roche, RO 3555), Leflunomide (also known as AravaTM from Hoechst Marion Roussel), Yineret^{TI} (an...group consisting of- Vibrio cholerae, Mycobacterium leprae, Salmonella typh(inverted exclamation mark), Salmonella paratyph(inverted **question** mark) Meisseria meningitidis, Streptococcus pneumoniae, Group B streptococcus, Shigella spp., Enterotoxigenic Escherichia col(inverted exclamation...the invention include, but are not limited to, acute rnyelogenous leukemia, chronic rnyelogenous leul(inverted **question** mark)emia, Hodgkin's discase, non-Hodgkin's lymphoma, acue lymphocytic anemia (ALL) Chronic lymphocyte...invention, the anti-angiogenic compound is administered direaly to the, tumor excision sito (e(inverted **question** mark)g., applied by swabbing, brushing or otherwise coating the resection margins of the tumor...

10/3,K/21 (Item 17 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00429994 **Image available**

AESTHETIC IMAGING SYSTEM

SYSTEME D'IMAGERIE ESTHETIQUE

Patent Applicant/Assignee:

MIRROR SOFTWARE CORPORATION,
Inventor(s):

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BLANCHARD Perin,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9820458 A1 19980514
Application: WO 97US20394 19971107 (PCT/WO US9720394)
Priority Application: US 96745574 19961108

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH HU
IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL
PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW GH KE LS MW SD
SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH DE DK ES FI FR GB GR IE IT
LU MC NL PT SE BF BJ CF CG CI CM GA GN ML MR NE SN TD TG

Publication Language: English

Fulltext Word Count: 21806

Fulltext Availability:
Claims

Claim

... each image and its associated checksum value. The routine then returns to block 68 of **FIGURE 3**.

IL **Determining** Authenticity Using Checksum Values

The checksum value is an addendum to an original stored image...

...unaltered image based upon the addendum value, and the veracity of the image is not **questioned**. This is beneficial to physicians when illustrating postsurgical results during lectures or in other teaching... image in a manner similar to prior art imaging programs. This mode will remain until **pressure** on the **pen** tip is released. After beginning freehand draw mode, the routine loops to block 124. If...simultaneously, while rubbing to undo a portion of the previous edit; and Step N17 release **pressure** on the **pen** and side button, and press the side button to return to the main menu.
From...

10/3,K/22 (Item 18 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00427636 **Image available**

METHOD AND DEVICE FOR DETECTION OF DEPOSIT VALUE INDICIA

PROCEDE ET DISPOSITIF DE DETECTION D'INSCRIPTIONS RELATIVES A UNE VALEUR DE CONSIGNE

Patent Applicant/Assignee:

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SIVERTSEN Ronald,
NORDBRYHN Andreas,

Inventor(s):

SIVERTSEN Ronald,
NORDBRYHN Andreas,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9818099 A1 19980430
Application: WO 97NO278 19971020 (PCT/WO NO9700278)

Priority Application: NO 96457 19961023

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH HU
ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ
PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW GH KE LS
MW SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH DE DK ES FI FR GB GR
IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN ML MR NE SN TD TG

Publication Language: English

Fulltext Word Count: 3461.

Fulltext Availability:

Detailed Description

Detailed Description

... for the

issue of a deposit receipt or direct payment of a deposit sum

When **recognising** the **shape** of the bottle 6, the means 3, together with the signal processor 4 in the...the vertical direction is generally known, the area in elevation where the bottle cap in **question** is expected to be will as a rule be easy to compute. Consequently, the processing...location of a section representative of the deposit value indicia 12 in the television image **captured** by the **device** 1

The bottles 6 are transported by means of a conveyor 7 from an insertion ...

10/3,K/23 (Item 19 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00234265 **Image available**

**SYSTEM FOR DIVIDING PROCESSING TASKS INTO SIGNAL PROCESSOR AND
DECISION-MAKING MICROPROCESSOR INTERFACING**
**SYSTEME DE SEPARATION DES TACHES DE TRAITEMENT EN TACHES POUR INTERFACAGE
AVEC UN PROCESSEUR DE SIGNAUX ET UN MICROPROCESSEUR DE PRISE DE
DECISION**

Patent Applicant/Assignee:

STAR SEMICONDUCTOR CORPORATION,

Inventor(s):

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ROUSE Keith,
KRASSOWSKI Andrew J,
MONTLICK Terry F,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9308524 A1 19930429

Application: WO 92US8954 19921014 (PCT/WO US9208954)

Priority Application: US 91776161 19911015

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AU CA JP KR AT BE CH DE DK ES FR GB GR IE IT LU MC NL SE

Publication Language: English

Fulltext Word Count: 219172

Fulltext Availability:

Claims

Claim

... development system of the invention where the SPROC code and microprocessor code are compiled separately. **Figure 1 1** is a block diagram of a low frequency impedance analyzer example entered into... gates, etc. to generate data RAM FIFO addresses for the incoming data. As shown in **Figure 4a**, the DFM 600 has three registers 620, 622, 624, three counters 630, 632, and...instantiated. For such operands, the operand field of the instruction is left zero, and a **question** mark (?) is placed immediately after. The **question** mark indicates that the operand value is unknown at this time. On the other hand...

...parameter value has been specified, then this value is used for the instruction, and no **question** mark is added. Similarly, absolute addresses for instruction jumps and relocatable data references cannot be ...

10/3,K/24 (Item 20 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00164699

STEREOLITHOGRAPHIC BEAM PROFILING

PROFILAGE DE FAISCEAU STEREOLITHOGRAPHIQUE

Patent Applicant/Assignee:

3D SYSTEMS INC,

Inventor(s):

SPENCE Stuart Thomas,

TARNOFF Harry,

ALMQUIST Thomas,

Patent and Priority Information (Country, Number, Date):

Patent: WO 8911085 A1 19891116

Application: WO 89US1559 19890417 (PCT/WO US8901559)

Priority Application: US 88830 19880418; US 88816 19881108; US 88837 19881108; US 88907 19881108; US 88801 19881108

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

JP KR

Publication Language: English

Fulltext Word Count: 292227

?

12/3,K/1 (Item 1 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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01066131 **Image available**

A COMBINED WRITING INSTRUMENT AND DIGITAL DOCUMENTOR APPARATUS AND METHOD OF USE

APPAREIL ET DISPOSITIF D'INSTRUMENT D'ECRITURE ET DE DOCUMENT NUMERIQUE COMBINES ET PROCEDE D'UTILISATION

Patent Applicant/Inventor:

O'DONNELL Frank E, 709 THE HAMPTONS LANE, TOWN AND COUNTRY, MO 63017, US,
US (Residence), US (Nationality)

Legal Representative:

LANZA John D (agent), Lahive & Cockfield, LLP, 28 State Street, Boston,
MA 02109, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200396321 A1 20031120 (WO 0396321)

Application: WO 2002US32916 20021016 (PCT/WO US02032916)

Priority Application: US 2002142414 20020510

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ
EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR
LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI
SK SL TJ TM TN TR TT TZ UA UG US UZ VN YU ZA ZM ZW

(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LU MC NL PT SE SK TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 4885

Fulltext Availability:

Detailed Description

Detailed Description

... hand in the production of documents. Nevertheless,
limitations imposed by the hardware required for such **pen**-based
digital

I

document applications have restricted the use and growth of **pen**
based **digital** documents to date. **Pen**-based **digital** document
production heretofore has consisted of grid-type computers with
stylus-type writing instruments. Pressure from...

...types of systems are inconvenient, however, because
they necessitate access to the special screen or **pad**. That is, the
writing instrument is limited to its application within the system and
cannot be used independently of...

...writing instruments that could
make digital copies of the written document independent of a special
writing pad or screen include the use of a special paper with a
subtle
pattern on it for **recognition** by a sensing means, the Anoto system
(Ericcson Manufacturing, Sweden). This is impractical because it...

?

14/3,K/1 (Item 1 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
(c) 2005 European Patent Office. All rts. reserv.

00683377

Co-ordinate input device

Koordinateneingabegerat

Dispositif d'entree de coordonnees

PATENT ASSIGNEE:

YAMAHA CORPORATION, (404961), 10-1, Nakazawa-cho, Hamamatsu-shi
Shizuoka-ken, (JP), (Proprietor designated states: all)

INVENTOR:

Baba, Michiru, c/o Yamaha Corporation, 10-1, Nakazawa-cho, Hamamatsu-shi,
Shizuoka-ken, (JP)

LEGAL REPRESENTATIVE:

Geyer, Ulrich F., Dr. Dipl.-Phys. et al (4121), WAGNER & GEYER,
Patentanwalte, Gewurzmuhlstrasse 5, 80538 Munchen, (DE)

PATENT (CC, No, Kind, Date): EP 653725 A2 950517 (Basic)
EP 653725 A3 960207
EP 653725 B1 011010

APPLICATION (CC, No, Date): EP 94117867 941111;

PRIORITY (CC, No, Date): JP 93309740 931115

DESIGNATED STATES: DE; FR; GB

INTERNATIONAL PATENT CLASS: G06K-011/18; G06F-003/033

ABSTRACT WORD COUNT: 190

NOTE:

Figure number on first page: NONE

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPAB95	201
CLAIMS B	(English)	200141	436
CLAIMS B	(German)	200141	416
CLAIMS B	(French)	200141	492
SPEC A	(English)	EPAB95	2551
SPEC B	(English)	200141	2344
Total word count - document A			2752
Total word count - document B			3688
Total word count - documents A + B			6440

...SPECIFICATION opto-mechanical mouse having an optical detection means 46
by which the movements thereof are **detected** by reading a **pattern**
written on a **pad** 40 so as to compute the amounts of movements in X and
Y directions by...

...SPECIFICATION opto-mechanical mouse having an optical detection means 46
by which the movements thereof are **detected** by reading a **pattern**
written on a **pad** 40 so as to compute the amounts of movements in X and
Y directions by...

14/3,K/2 (Item 1 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
(c) 2005 WIPO/Univentio. All rts. reserv.

01016719

Image available

REAL-TIME DATA ACQUISITION AND STORAGE NETWORK

RESEAU D'ACQUISITION ET DE STOCKAGE DE DONNEES EN TEMPS REEL

Patent Applicant/Assignee:

SYPRIS DATA SYSTEMS INC, 605 E. Huntington Drive, Monrovia, CA 91016-3636
, US, US (Residence), US (Nationality)

Inventor(s):

POLAN Jeffrey S, 1 Kingswood Drive, New Hope, PA 18938, US,
BULLERS William A, 1680 Casa Grande Street, Pasadena, CA 91104, US,

Legal Representative:

BRINKMAN David H (et al) (agent), Wood, Herron & Evans, L.L.P., 2700
Carew Tower, Cincinnati, OH 45202, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200346735 A2-A3 20030605 (WO 0346735)

Application: WO 2002US38004 20021127 (PCT/WO US02038004)

Priority Application: US 2001334011 20011128; US 2002304900 20021126

Designated States:

(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ
EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR
LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SC SD SE SG
SI SK SL TJ TM TN TR TT TZ UA UG UZ VC VN YU ZA ZM ZW
(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LU MC NL PT SE SK TR
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW
(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 12410

Fulltext Availability:

Detailed Description

Detailed Description

... storage device 24 and reads directory and file information as
described below in connection with **Figure 14** to **determine** the
location to record the data that it is about to receive. Each PAD/NI...
PAD/NI card 46 was started synchronously by the TCC card 54, the data
being **written** by every PAD /NI card 46 has simultaneously matching
embedded time stamps with 1 0 nanosecond granularity. The very first byte
of data **written** by each PAD /NI card 46 on its assigned storage
device 24 was input to the PAD/NI...

14/3,K/3 (Item 2 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

(c) 2005 WIPO/Univentio. All rts. reserv.

00984065 **Image available**

A PRINTING CARTRIDGE WITH PRESSURE SENSOR ARRAY IDENTIFICATION

**CARTOUCHE D'IMPRESSION AVEC IDENTIFICATION D'UNE MATRICE DE CAPTEURS DE
PRESSION**

Patent Applicant/Assignee:

SILVERBROOK RESEARCH PTY LTD, 393 Darling Street, Balmain, New South
Wales 2041, AU, AU (Residence), AU (Nationality), (For all designated
states except: US)

Patent Applicant/Inventor:

SILVERBROOK KIA, Silverbrook Research Pty Ltd, 393 Darling Street,
Balmain, New South Wales 2041, AU, AU (Residence), AU (Nationality),
(Designated only for: US)

Legal Representative:

SILVERBROOK KIA (agent), Silverbrook Research Pty Ltd, 393 Darling
Street, Balmain, New South Wales 2041, AU,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200313861 A1 20030220 (WO 0313861)
Application: WO 2002AU1054 20020806 (PCT/WO AU0201054)
Priority Application: US 2001922207 20010806
Designated States:
(Protection type is "patent" unless otherwise stated - for applications prior to 2004)
AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ
EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR
LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI
SK SL TJ TM TN TR TT TZ UA UG US UZ VN YU ZA ZM ZW
(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LU MC NL PT SE SK TR
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW
(EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 142580

Fulltext Availability:
Detailed Description

Detailed Description

... This simply involves writing setup information required for Phase 2.

This can be achieved by **writing** Os to all the Arow and Acolumn entries for each row, and a bit history...centroid updating mechanism is achieved by simply performing step 3 of Phase 2.

Phase 2 - **Detect** bit **pattern** from Artcard based on pixels read, and write as bytes.

Since a dot from the...

14/3,K/4 (Item 3 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00515379 **Image available**

METHODS FOR PERFORMING DAF DATA FILTERING AND PADDING

PROCEDES DE MISE EN OEUVRE D'UN FILTRAGE ET D'UN REMPLISSAGE DE DONNEES DE FONCTIONS DAF

Patent Applicant/Assignee:

THE UNIVERSITY OF HOUSTON SYSTEM,
IOWA STATE UNIVERSITY,

Inventor(s):

HOFFMAN David K,
KOURI Donald J,
GUNARATNE Gemunu H,
ARNOLD Mark E,
ZHANG DeSheng,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9946731 A1 19990916
Application: WO 99US5426 19990312 (PCT/WO US9905426)
Priority Application: US 9877860 19980313

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM
HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX
NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW GH GM
KE LS MW SD SL SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH CY DE DK ES

FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN GW ML MR NE SN
TD TG
Publication Language: English
Fulltext Word Count: 81249

Fulltext Availability:
Detailed Description

Detailed Description

... is always zero irrespective of functional values.

The suitability of using Hermite DA-Fs to **pad** two isolated data sets has been tested for fitting one dimensional potential energy surfaces [8 ...values. Impulse noise seriously affects the performance of various signal processing techniques, e.g., edge **detection**, data compression, and **pattern recognition**. One of the tasks of image processing is to restore a high quality image from...Engr., Submitted.

T. Sun and Y. Neuvo, "Detail-preserving median based filters -in image processing," **Pattern Recognition** Letter, Vol. 15, pp. 341-347, 1994.

R. Sucher, "Removal of impulse noise by selective...

...corrupted by noise that seriously affects the performance of various signal processing techniques, data compression, and **pattern recognition**. The goal of noise filtering is to suppress the noise while preserving the integrity of...1, pp. 13

T. Sun, Y. Neuvo, "Detail-preserving median based filters in image processing," **Pattern Recognition** Letter, Vol. 15, pp 347, April 1994.

1 0 R. Sucher, "Removal of impulse noise...in long distance consultation, image storage and retrieval, and for the possible development of automatic **detecting** expert systems. **Figure 2(a)** is an original 1024x1024 side-view breast image which was obtained from the...and zeros. Impulse noise seriously affects the performance of various signal processing techniques, e.g. edge **detection**, data compression, and **pattern recognition**. A median filter is the commonly used nonlinear technique for impulse noise removal.

Assume we...pp 506.

[12] T. Sun, Y. Neuvo, "Detail-preserving median based filters in image processing," **Pattern Recognition** Letter, Vol. 15, pp 347, April 1994.

[13] T. D. Tran, R. S. Afranek...and wavelet, as well as their biorthogonal. dual scaling function and wavelet, are shown in **Figure 1** We find that the cutoff Sine has decreased regularity, which is manifested by a fractal-like behavior...Restoration", to be published.

DISTRIBUTED APPROXIMATING FUNCTIONAL WAVELET NETS INTRODUCTION

For real-world signal processing, **pattern recognition** and system identification, information extraction from a noisy background is the fundamental objective. To obtain...for curve evolution, segmentation and anisotropic diffusion," in {

it IEEE Proc. Conf. Computer Vision - and- **Pattern Recognition**), San Francisco, CA, Jun. 1996, pp. 136
S. T. Acton, "Edge enhancement of infrared imagery...

14/3,K/5 (Item 4 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00406196 **Image available**

DIGITAL DATA PROCESSING METHODS AND APPARATUS FOR FAULT ISOLATION
PROCEDES ET DISPOSITIF DE TRAITEMENT DE DONNEES NUMERIQUES POUR L'ISOLATION
DE DEFAULTS

Patent Applicant/Assignee:

STRATUS COMPUTER,

Inventor(s):

LEAVITT William I,

CLEMSON Conrad R,

SOMERS Jeffrey S,

CHAVES John M,

BARBERA David R,

CLAYTON Shawn A,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9746941 A1 19971211

Application: WO 97US9781 19970605 (PCT/WO US9709781)

Priority Application: US 96658563 19960605

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AU CA JP AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE

Publication Language: English

Fulltext Word Count: 116410

Fulltext Availability:

Detailed Description

Detailed Description

... the address to a system address and sends it to the CPU via the 1BUS.

Figure 16 illustrates the address re-mapping for the 32 bit address mode used by Jetta...

21/3,K/1 (Item 1 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
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01907980

Location patterns and method and apparatus for generating such patterns
Lokalisierungsmuster und Verfahren und Vorrichtung zur Erzeugung solcher
Muster

Motifs de localisation et methode et dispositif de generation de tels
motifs

PATENT ASSIGNEE:

Hewlett-Packard Development Company, L.P., (4337790), 20555 S.H. 249,
Houston, TX 77070, (US), (Applicant designated States: all)

INVENTOR:

Nelson, Terry, 10930 Mohawk Dr., Boise, ID, 83709, (US)

Gonzalez, Manuel, Maspons 1, 2o 1a, 08012, Barcelona, (ES)

LEGAL REPRESENTATIVE:

Leadbetter, Benedict (92642), Hewlett-Packard Espanola, S.L., Legal
Department, Avda Graells, 501, 08174 Sant Cugat del Valles, Barcelona,
(ES)

PATENT (CC, No, Kind, Date): EP 1538550 A2 050608 (Basic)

APPLICATION (CC, No, Date): EP 2004104164 040831;

PRIORITY (CC, No, Date): US 660324 030910

DESIGNATED STATES: AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR;
HU; IE; IT; LI; LU; MC; NL; PL; PT; RO; SE; SI; SK; TR

EXTENDED DESIGNATED STATES: AL; HR; LT; LV; MK

INTERNATIONAL PATENT CLASS: G06K-015/02; G06F-003/033; G06K-001/12;

B41J-002/175; B41J-002/21

ABSTRACT WORD COUNT: 56

NOTE:

Figure number on first page: 6

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200523	926
SPEC A	(English)	200523	7273
Total word count - document A			8199
Total word count - document B			0
Total word count - documents A + B			8199

...SPECIFICATION Techniques for allowing a user to modify and print, on
demand, documents which have position **identifying pattern** on them for
use with a **digital pen** and **paper** system are more fully described
co-pending British patent application No. 0321168.7, incorporated by...

21/3,K/2 (Item 2 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
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01869082

Method and apparatus for generating images
Verfahren und Vorrichtung zur Bilderzeugung
Procede et dispositif de generation d'images

PATENT ASSIGNEE:

Hewlett-Packard Development Company, L.P., (4337790), 20555 S.H. 249,
Houston, TX 77070, (US), (Applicant designated States: all)

INVENTOR:

BROUHON, Patrick, 214 Chemin des Reposes, 38410 Saint Martin d'Uriage,

(FR)

GOLDSTEIN, Ira, 790 Strawberry Hill Road, Concord MA 01742, (US)
LEGAL REPRESENTATIVE:
Leadbetter, Benedict (92642), Hewlett-Packard Espanola, S.L., Legal
Department, Avda Graells, 501, 08174 Sant Cugat del Valles, Barcelona,
(ES)

PATENT (CC, No, Kind, Date): EP 1515265 A2 050316 (Basic)
EP 1515265 A3 050427

APPLICATION (CC, No, Date): EP 2004104288 040906;

PRIORITY (CC, No, Date): US 661000 030910

DESIGNATED STATES: AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR;
HU; IE; IT; LI; LU; MC; NL; PL; PT; RO; SE; SI; SK; TR

EXTENDED DESIGNATED STATES: AL; HR; LT; LV; MK

INTERNATIONAL PATENT CLASS: G06K-015/02; G06F-003/033; G06K-001/12

ABSTRACT WORD COUNT: 56

NOTE:

Figure number on first page: 3

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200511	677
SPEC A	(English)	200511	4791
Total word count - document A			5468
Total word count - document B			0
Total word count - documents A + B			5468

...SPECIFICATION 1, a document 2 according to an embodiment of the
invention for use in a **digital pen** and **paper** system comprises a
carrier 3 in the form of a single sheet of **paper** 4 with position
identifying markings 5 printed on some parts of it. The markings 5, which
are not shown to scale in **Figure 1**, form a position **identifying**
pattern 6 on the document 2. Also printed on the **paper** 4 are further
markings 7 which are clearly visible to a human user of the...

21/3,X/3 (Item 3 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

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01869073

Location patterns and method and apparatus for generating such patterns
Lokalisierungsmuster und Verfahren und Vorrichtung zur Erzeugung solcher
Muster

Motifs de localisation et methode et dispositif de generation de tels
motifs

PATENT ASSIGNEE:

Hewlett-Packard Development Company, L.P., (4337790), 20555 S.H. 249,
Houston, TX 77070, (US), (Applicant designated States: all)

INVENTOR:

Nelson, Terry, 10930 Mohawk Dr., Boise, ID 83709, (US)

LEGAL REPRESENTATIVE:

Leadbetter, Benedict et al (92641), Hewlett-Packard Espanola, S.L., Legal
Department, Avda Graells, 501, 08190 Sant Cugat del Valles, (ES)

PATENT (CC, No, Kind, Date): EP 1515264 A2 050316 (Basic)

APPLICATION (CC, No, Date): EP 2004104163 040831;

PRIORITY (CC, No, Date): US 660323 030910

DESIGNATED STATES: AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR;
HU; IE; IT; LI; LU; MC; NL; PL; PT; RO; SE; SI; SK; TR

EXTENDED DESIGNATED STATES: AL; HR; LT; LV; MK

INTERNATIONAL PATENT CLASS: G06K-015/02; G06F-003/033; G06K-001/12

ABSTRACT WORD COUNT: 79

NOTE:

Figure number on first page: 6

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200511	1065
SPEC A	(English)	200511	6965
Total word count - document A			8030
Total word count - document B			0
Total word count - documents A + B			8030

...SPECIFICATION Techniques for allowing a user to modify and print, on demand, documents which have position **identifying pattern** on them for use with a **digital pen** and **paper** system are more fully described co-pending British patent application No. 0321168.7, incorporated by...

21/3,K/4 (Item 4 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

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01756108

Personal funds metering system and method

Zahlsystem fur persohnliches Guthaben und zugehoriges Verfahren

Systeme de comptage pour des fonds personnels et procede associe

PATENT ASSIGNEE:

PITNEY BOWES INC., (244964), One Elmcroft Road, Stamford, CT 06926-0700,
(US), (Applicant designated States: all)

INVENTOR:

Leung, Alan, 77 Columbia Street Apt.19L, New York NY 10002, (US)
Rojas, John W., 197 East Avenue, Norwalk CT 06855, (US)
Norris,, James R., Jr., 46 Kenosia Avenue Apt. 31, Danbury CT 06810, (US)
Coffy, Jean-Hiram, 104 Bouton Street, Norwalk CT 06854, (US)
Parkos, Arthur, 125 Hemlock Ridge Road, Southbury CT 06488, (US)
Braun, John, 338 Reef Road, Fairfield CT 06824, (US)
Leung, Wendy Chui Fen, 31-38, 51st Street Apt. 44, Woodside NY 11377,
(US)

LEGAL REPRESENTATIVE:

HOFFMANN - EITLE (101511), Patent- und Rechtsanwälte Arabellastrasse 4,
81925 Munchen, (DE)

PATENT (CC, No, Kind, Date): EP 1435593 A2 040707 (Basic)

APPLICATION (CC, No, Date): EP 2003029851 031224;

PRIORITY (CC, No, Date): US 248249 021230

DESIGNATED STATES: AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR;
HU; IE; IT; LI; LU; MC; NL; PT; RO; SE; SI; SK; TR

EXTENDED DESIGNATED STATES: AL; LT; LV; MK

INTERNATIONAL PATENT CLASS: G07B-017/02

ABSTRACT WORD COUNT: 69

NOTE:

Figure number on first page: 1

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200428	379
SPEC A	(English)	200428	3609
Total word count - document A			3988
Total word count - document B			0

Total word count - documents A + B 3988

...SPECIFICATION pay for the postage, the postal authority would process the letter and deactivate the stamp.

Digital pen systems such as the Sony-Ericsson CHA-30 Chatpen utilize Anoto paper available from Anoto AB of Sweden. The Anoto paper includes a grid for encoding information such as position information that is detected by the Chatpen. Additionally, other scanners may be used to detect the pattern and decode the pattern to obtain an identifier. A Chatpen or other scanning device such as a scanning enabled PDA available from Symbol...

21/3,K/5 (Item 5 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
(c) 2005 European Patent Office. All rts. reserv.

01726298

Handwritten character input device, program and method
Vorrichtung, Programm und Verfahren zur handschriftlichen Zeicheneingabe
Dispositif, logiciel et procede d'entree de caracteres manuscrits
PATENT ASSIGNEE:

Hitachi, Ltd., (204145), 6 Kanda Surugadai 4-chome, Chiyoda-ku, Tokyo
101-8010, (JP), (Applicant designated States: all)

INVENTOR:

Furukawa, Naohiro, Hitachi, Ltd., Intellect.Prop., Group, 5-1, Marunouchi
1-chome, Chiyoda-ku, Tokyo 100-8220, (JP)

Ikeda, Hisashi, Hitachi, Ltd., Intellect. Property, Group, 5-1,
Marunouchi 1-chome, Chiyoda-ku, Tokyo 100-8220, (JP)

Sako, Hiroshi, Hitachi, Ltd., Intellect. Property, Group, 5-1, Marunouchi
1-chome, Chiyoda-ku, Tokyo 100-8220, (JP)

Tazawa, Naoko, Hitachi, Ltd., Intellect. Property, Group, 5-1, Marunouchi
1-chome, Chiyoda-ku, Tokyo 100-8220, (JP)

LEGAL REPRESENTATIVE:

Strehl Schubel-Hopf & Partner (100941), Maximilianstrasse 54, 80538
Munchen, (DE)

PATENT (CC, No, Kind, Date): EP 1416426 A2 040506 (Basic)

APPLICATION (CC, No, Date): EP 2003003428 030214;

PRIORITY (CC, No, Date): JP 2002316983 021031

DESIGNATED STATES: AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR;
HU; IE; IT; LI; LU; MC; NL; PT; SE; SI; SK; TR

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO

INTERNATIONAL PATENT CLASS: G06K-009/22; G06F-003/033

ABSTRACT WORD COUNT: 189

NOTE:

Figure number on first page: 3

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200419	840
SPEC A	(English)	200419	6775
Total word count - document A			7615
Total word count - document B			0
Total word count - documents A + B			7615

...SPECIFICATION handwriting input devices, there are known not only a tablet and a stylus, but also paper printed with a pattern for position detection and an electronic pen provided with a camera device for capturing an image of this pattern during writing. The example

here uses **paper** having a print for position detection and an electronic pen. The National Publication No. 01...

...the electronic pen. The reference numeral 101 represents an electronic pen, and 102 a camera **device** to **capture** a position **detection pattern** image printed on **paper**. Small dots 104 are slightly displaced from the grid and are printed on **paper** 103. Each dot is printed with vertical or horizontal displacement from a given intersecting point...

...absolute position information on a vast plane area. The camera 102 attached to the electronic **pen captures** an image within a range including the dots patterns. This makes it possible to specify...

21/3,K/6 (Item 6 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
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01342679

METHOD AND SYSTEM FOR CONFIGURING AND UNLOCKING AN ELECTRONIC READING DEVICE

VERFAHREN UND SYSTEM ZUR KONFIGURATION UND ZUM DEBLOCKIEREN EINER ELEKTRONISCHEN VORRICHTUNG

PROCEDE ET SYSTEME POUR CONFIGURER ET DEVERROUILLER UN DISPOSITIF DE LECTURE ELECTRONIQUE

PATENT ASSIGNEE:

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OLSSON, Patrik, Borringegatan 6C, S-217 72 Malmo, (SE)

BORGSTROM, Anders, V. Gyeholmsvagen 17A, S-239 32 Skanor, (SE)

GARDENFORS, Torbjorn, Kornettsgatan 24A, S-211 50 Malmo, (SE)

LEGAL REPRESENTATIVE:

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PATENT (CC, No, Kind, Date): EP 1256091 A2 021113 (Basic)
EP 1256091 B1 040428
WO 2001061635 010823

APPLICATION (CC, No, Date): EP 2001911625 010209; WO 2001EP1403 010209

PRIORITY (CC, No, Date): US 182742 P 000216; US 190343 P 000316; US 192662
P 000328; US 703351 001031; US 703503 001031; US 703321 001031

DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI;
LU; MC; NL; PT; SE; TR

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

INTERNATIONAL PATENT CLASS: G06F-003/033; G06K-011/18

NOTE:

No A-document published by EPO

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	200418	308
CLAIMS B	(German)	200418	284
CLAIMS B	(French)	200418	338
SPEC B	(English)	200418	12727
Total word count - document A			0
Total word count - document B			13657
Total word count - documents A + B			13657

...SPECIFICATION while the tip 284 of the electronic pen 10 is in contact with the formatted **paper** 282, a sensor or camera in the electronic pen 10 can **detect** a portion of the address **pattern** adjacent to the electronic pen 10. The **detected** portion of the address **pattern** can then be converted, by processing address **pattern** images **detected** by the sensor or camera, into data identifying: the current position of the electronic pen...

...tilt angle of 0 to 90 degrees (as indicated at 288); and the amount of **pressure** between the electronic **pen** tip 284 and the formatted **paper** 282. This data can then be sent to a controlled device at a specified update...

21/3,K/7 (Item 1 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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01216292 **Image available**

PRINTING DIGITAL DOCUMENTS

IMPRESSION DE DOCUMENTS NUMERIQUES

Patent Applicant/Assignee:

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Avda Graells, 501, E-08174 Sant Cugat del Valles, ES,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200524623 A2-A3 20050317 (WO 0524623)

Application: WO 2004EP51939 20040827 (PCT/WO EP04051939)

Priority Application: GB 200321166 20030910

Designated States:

(All protection types applied unless otherwise stated - for applications
2004+)

AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH CN CO CR CU CZ DE DK DM
DZ EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC
LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NA NI NO NZ OM PG PH PL PT RO
RU SC SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW
(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC NL PL PT RO
SE SI SK TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) BW GH GM KE LS MW MZ NA SD SL SZ TZ UG ZM ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 5869

Fulltext Availability:

Detailed Description

Detailed Description

... OF THE PREFERRED EMBODIMENTS

Referring to Figure I a digital document 100 for use in **digital pen**
and

paper system comprises a carrier 102 in the form of a single sheet of
A4

paper 104 (although it could be a carrier of any other material such as a plastics...

...identifying markings printed on some parts of it to form areas 107 of a position- **identifying pattern** 108.

This background markings are referred to as 44pattern" in this text. Also printed on the **paper** 104 are further markings 109 which are clearly visible to a human user of the...

21/3,K/8 (Item 2 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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01216290 **Image available**

METHOD, APPARATUS AND RELATED COMPUTER PROGRAM FOR REPLYING AND CREATING E-MAILS

PROCEDE, DISPOSITIF ET PROGRAMME ASSOCIE POUR REPONDRE A DES MESSAGES ELECTRONIQUES ET EN CREER

Patent Applicant/Assignee:

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Legal Representative:

LEADBETTER Benedict (agent), Hewlett-Packard Espanola, S.L., Legal Dept., Avda Graells, 501, E-08174 Sant Cugat del Valles, ES,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200524676 A1 20050317 (WO 0524676)

Application: WO 2004EP51936 20040827 (PCT/WO EP04051936)

Priority Application: GB 200321173 20030910

Designated States:

(All protection types applied unless otherwise stated - for applications 2004+)

AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH CN CO CR CU CZ DE DK DM
DZ EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC
LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NA NI NO NZ OM PG PH PL PT RO
RU SC SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW
(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC NL PL PT RO
SE SI SK TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) BW GH GM KE LS MW MZ NA SD SL SZ TZ UG ZM ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 17383

Fulltext Availability:

Detailed Description

Claims

Detailed Description

... to proceed with those acts.

In addition to printing the original e-mail onto **paper** , a position- **determining pattern** may be printed onto the **paper** in the same printing operation, the **pattern** enabling the pen to **determine** its position, thereby enabling the reply markings to be **captured digitally** by the **pen** .

An alternative may be to use dead-reckoning to determine the position of the pen...

...that wavelength.

With hindsight it is possible to see that Anoto Group AB have a **digital pen** and **digital paper** e-mail application for their "dot **pattern** " digital position- **determining** technology.

The Anoto e-mail pad allows a user to write out e-mails that...

Claim

... the original e-mail.

8 The method of any preceding claim comprising printing a position- **determining pattern paper** , in addition to the original C-mail, onto **paper** in the same printing operation, the **pattern** enabling the pen to **determine** its position, thereby enabling the reply markings to be **captured digitally** by the **pen** .

9 The method of any one of claims 1 to 7 comprising using a waymarker...

...according to claim 1 or claim 13 or claim 34, the method comprising using digital **paper** printed with a pattern adapted to enable a **digital pen** to **identify** its position in the **pattern** , and a **digital pen** adapted to **identify** its position in the **pattern** , the method further comprising printing an electronic version of a received e-mail or draft ...

...mail, and editing the printed version of the received or draft e-mail using the **digital pen** , the **digital pen capturing digitally** editing markings made by the **pen** , and using the **captured** digital editing markings, along with the electronic version of the received or draft e-mail...

...of the received or draft e-mail in computer memory and using the pen to **recognise** the **pattern** on the printed sheet material and associating the captured digital editing marking with the specific...

...method of replying to an e-mail comprising printing out a received e-mail on **paper** with a position **determining pattern** of dots printed thereupon, handwriting reply markings on the printed c-mail using an electronic **digital pen** , comprising an ink source, an infra-red emitting LED and an infra-red sensor, the...

...the reply markings and capture their position on the printed e-mail, using the position **determining pattern** , to create a digital version of the reply markings, and sending an e-mail to...

21/3,K/9 (Item 3 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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01216286 **Image available**

PRODUCTS WITH POSITION IDENTIFICATION PATTERN
PRODUITS AVEC MOTIF D'IDENTIFICATION DE POSITION

Patent Applicant/Assignee:

HEWLETT-PACKARD DEVELOPMENT COMPANY L P, Legal dept., 20555 S.H. 249,
Houston, Texas 77070, US, US (Residence), US (Nationality), (For all
designated states except: US)

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Legal Representative:

LEADBETTER Benedict (agent), Hewlett-Packard Espanola, S.L., Legal Dept.,
Avda Graells, 501, E-08174 Sant Cugat del Valles, ES,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200524619 A2-A3 20050317 (WO 0524619)

Application: WO 2004EP51932 20040827 (PCT/WO EP04051932)

Priority Application: GB 200321174 20030910

Designated States:

(All protection types applied unless otherwise stated - for applications
2004+)

AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH CN CO CR CU CZ DE DK DM
DZ EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC
LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NA NI NO NZ OM PG PH PL PT RO
RU SC SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW
(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC NL PL PT RO
SE SI SK TR
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
(AP) BW GH GM KE LS MW MZ NA SD SL SZ TZ UG ZM ZW
(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 5890

Fulltext Availability:

Detailed Description

Detailed Description

... I,- a document 2 according to an embodiment of the
invention for use in a **digital pen** and **paper** system comprises a
carrier 3 in the form of a single sheet of **paper** 4 with position
identifying markings 5 printed on some parts of it. The markings 5, which
are not shown to scale in **Figure 1**, form a position **identifying**
pattern 6 on the document 2. Also printed on the **paper** 4 are further
markings 7 which are clearly visible to a human user of the...

21/3,K/10 (Item 4 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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01216284 **Image available**

METHODS AND APPARATUS FOR GENERATING IMAGES
PROCEDE ET APPAREIL POUR LA GENERATION D'IMAGES

Patent Applicant/Assignee:

HEWLETT-PACKARD DEVELOPMENT COMPANY L P, Legal dept., 20555 S.H. 249,

Houston, Texas 77070, US, US (Residence), US (Nationality), (For all designated states except: US)

Patent Applicant/Inventor:

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Legal Representative:

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Patent and Priority Information (Country, Number, Date):

Patent: WO 200524702 A1 20050317 (WO 0524702)

Application: WO 2004EP51929 20040827 (PCT/WO EP04051929)

Priority Application: GB 200321169 20030910

Designated States:

(All protection types applied unless otherwise stated - for applications 2004+)

AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH CN CO CR CU CZ DE DK DM
DZ EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC
LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NA NI NO NZ OM PG PH PL PT RO
RU SC SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW
(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC NL PL PT RO
SE SI SK TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) BW GH GM KE LS MW MZ NA SD SL SZ TZ UG ZM ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 6751

Fulltext Availability:

Detailed Description

Detailed Description

... Referring to Figure 1, a document 2 according to the invention for use in a **digital pen** and **paper** system comprises a carrier 3 in the form of a single sheet of **paper** 4 with position identifying markings 5 printed on some parts of it. The markings 5, which are not shown to scale in **Figure 1**, form a position **identifying pattern** 6 on the document 2. Also printed on the **paper** 4 are further markings 7 which are clearly visible to a human user of the...

21/3,K/11 (Item 5 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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01203837 **Image available**

DIGITAL PEN FUNCTION CONTROL

COMMANDE DE FONCTIONS POUR STYLO NUMERIQUE

Patent Applicant/Assignee:

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Patent Applicant/Inventor:

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Patent and Priority Information (Country, Number, Date):

Patent: WO 200510634 A2-A3 20050203 (WO 0510634)
Application: WO 2004IB3218 20040729 (PCT/WO IB04003218)
Priority Application: US 2003631434 20030730

Designated States:

(All protection types applied unless otherwise stated - for applications 2004+)

AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH CN CO CR CU CZ DE DK DM
DZ EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC
LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NA NI NO NZ OM PG PH PL PT RO
RU SC SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW
(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC NL PL PT RO
SE SI SK TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) BW GH GM KE LS MW MZ NA SD SL SZ TZ UG ZM ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 6422

Fulltext Availability:

Detailed Description

Detailed Description

... display ("LCD").

[00411 Yet another example of a functionality that can be available in the **digital pen** I 00 is that of a user notification function, e.g., an alarm notification or the like, provided in response to a user programmed triggering event. The special **paper** may include conventional patterned **paper**, e.g., having glyphs, and the "magic boxes" may be preset patterns corresponding to a function once that **pattern** image is **detected**. In addition, in one embodiment, special **paper** with specific fields ("magic boxes") can be used to enter an alarm.

In one embodiment...

21/3,K/12 (Item 6 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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01185917

**CHEMOKINE RECEPTOR BINDING HETEROCYCLIC COMPOUNDS WITH ENHANCED EFFICACY
COMPOSES HETEROCYCLIQUES SE FIXANT AUX RECEPTEURS DE CHIMIOKINE AVEC UNE
EFFICACITE ACCRUE**

Patent Applicant/Assignee:

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except: US)

Patent Applicant/Inventor:

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SKERLJ Renato, 2168 West 14th Avenue, Vancouver, British Columbia V6K 2V7,
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BOGUCKI David, 203-16071 82nd Avenue, Surrey, British Columbia V3S 2L6,

CA, CA (Residence), CA (Nationality), (Designated only for: US)
WILSON Trevor R, 49-56513 200th Street, Langley, British Columbia V2Y 2V7
, CA, CA (Residence), CA (Nationality), (Designated only for: US)
CRAWFORD Jason, 201-21 North Renfrew Street, Vancouver, British Columbia
V5K 3N6, CA, CA (Residence), CA (Nationality), (Designated only for:
US)
MCEACHERN Ernest J, 3-15110 Beachview Avenue, White Rock, British
Columbia V4B 1P6, CA, CA (Residence), CA (Nationality), (Designated
only for: US)
AT SMA Bem, 137 -3300 Horn Street, Abbotsford, British Columbia V2S 7Y7,
CA, CA (Residence), CA (Nationality), (Designated only for: US)
NAN Siqiao, 40-7111 Lynnwood Drive, Richmond, British Columbia V7C 5S9,
CA, CA (Residence), CA (Nationality), (Designated only for: US)
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CA (Residence), CA (Nationality), (Designated only for: US)
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Legal Representative:

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Patent and Priority Information (Country, Number, Date):

Patent: WO 2004106493 A2 20041209 (WO 04106493)

Application: WO 2004US15977 20040521 (PCT/WO US04015977)

Priority Application: US 2003446170 20030523; US 2003457034 20030606

Designated States:

(All protection types applied unless otherwise stated - for applications
2004+)

AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH CN CO CR CU CZ DE DK DM
DZ EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC
LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NA NI NO NZ OM PG PH PL PT RO
RU SC SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW
(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC NL PL PT RO
SE SI SK TR
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
(AP) BW GH GM KE LS MW MZ NA SD SL SZ TZ UG ZM ZW
(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 151417

Fulltext Availability:

Detailed Description

Detailed Description

... substituted alkyl groups include methyl, ethyl, propyl, etc.

and including cycloalkyls such as cyclopropyl, cyclobutyl, **cyclopentyl**,
cyclohexyl, cycloheptyl, etc.; examples of optionally substituted alkenyl
groups include allyl, crotyl, 2-pentenyl, 3...

21/3,K/13 (Item 7 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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01074830 **Image available**

A METHOD FOR MANAGING INFORMATION

PROCEDE DE GESTION DE L'INFORMATION

Patent Applicant/Assignee:

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AF TRAMPE Henrik, Olshogsgatan 18, S-223 62 Lund, SE, SE (Residence), SE
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Legal Representative:

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Patent and Priority Information (Country, Number, Date):

Patent: WO 2003105064 A1 20031218 (WO 03105064)

Application: WO 2003SE886 20030530 (PCT/WO SE0300886)

Priority Application: SE 20021724 20020605; US 2002386751 20020610

Designated States:

(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ (utility
model) CZ DE (utility model) DE DK (utility model) DK DM DZ EC EE
(utility model) EE ES FI (utility model) FI GB GD GE GH GM HR HU ID IL IN
IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NI NO
NZ OM PH PL PT RO RU SC SD SE SG SK SL TJ TM TN TR TT TZ UA UG US UZ VC
VN YU ZA ZM ZW

(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC NL PT RO SE
SI SK TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 6187

Fulltext Availability:

Detailed Description

Detailed Description

... the present invention can be utilized. A draw
ing device in the form of a **digital pen** 101 is used for
writing on a sheet of **paper** 102 which is provided with a
position-coding pattern 103 (enlarged). By a sensor in
the pen optically recording the position-coding **pattern**
and **detecting** the corresponding positions, a sequence of
positions is generated in the pen 101 and constitutes
a digital copy of what is being written on the sheet of
paper 102. Other types of sensors than optical are con
ceivable in this context, such as...

21/3,K/14 (Item 8 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00977202 **Image available**

**ELECTRONIC PEN CATALOG ORDERING SYSTEM AND METHOD OF USING THE CATALOG TO
STIMULATE ELECTRONIC PEN USE
SYSTEME DE COMMANDE DANS UN CATALOGUE PAR CRAYON ELECTRONIQUE ET PROCEDE
D'UTILISATION DU CATALOGUE POUR ENCOURAGER L'UTILISATION DU CRAYON
ELECTRONIQUE**

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Patent and Priority Information (Country, Number, Date):

Patent: WO 200307211 A1 20030123 (WO 0307211)

Application: WO 2002SE1349 20020705 (PCT/WO SE0201349)

Priority Application: SE 20012506 20010713

Designated States:

(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)

AE AG AL AM AT (utility model) AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR
CU CZ (utility model) CZ DE (utility model) DE DK (utility model) DK DM
DZ EC EE (utility model) EE ES FI (utility model) FI GB GD GE GH GM HR HU
ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX
MZ NO NZ OM PH PL PT RO RU SD SE SG SI SK (utility model) SK SL TJ TM TN
TR TT TZ UA UG US UZ VN YU ZA ZM ZW

(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LU MC NL PT SE SK TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 11332

Fulltext Availability:

Claims

Claim

... time of initial sale.

15 The system of claim 1 wherein said wand is a **digital
pen** intended for interaction with digital **paper** having a
position defining **pattern** background as said item
identifying indicia,
said **digital pen** sold to consumers being further
used to access additional information encoded in one or
more...

21/3,K/15 (Item 9 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00905272 **Image available**

service that correlates either the position of the digital pen on digital paper to a requested action, or to otherwise convey the instruction and provides a requested action...

- ...billing arrangement, the network operator may offer a service corresponding to the position of the digital pen and may bill an end user for that service. In a second billing arrangement, the...
- ...102a-102n may be individuals who use a portable hand-held device, such as a digital pen, and a surface, such as digital paper, to obtain services offered by a network operator or service provider. For example, writing from a digital pen on digital paper may be transformed to a facsimile message, an electronic mail (e-mail) message, or...
- ...may be routed to an appropriate destination, which may be indicated by the writing. The digital pen may include a transmitter for communicating directly over a network, or may include a transmitter...
- ...services. For example, an advertisement for flowers may be printed with portions containing digital paper code. By touching an appropriate part of the advertisement with a digital pen, an order for flowers might be placed to a local flower shop, where the order...
- ...Business end users 112a-112n may use a portable hand-held device, such as a digital pen, and a surface, such as digital paper, in a manner similar to individual end users 102a-102n. Business end users, however, might typically use a digital pen in conjunction with an agreement between a network operator and a service provider. The business...
- ...user 112a may be an employee of UPS (United Parcel Service). UPS might have a digital pen-based inventory system, and equip delivery personnel with digital pens for transmitting delivery status information to a host computer. Accordingly, UPS is a service provider...
- ...UPS account is billed, as opposed to billing separate accounts for each end user and pen. Digital paper may be an ordinary piece of paper on which a unique proprietary pattern has been printed. A very small portion of the pattern may be associated with a uniquely defined function, such that when that pattern portion is detected by a digital pen, the associated function may be implemented. The pattern may include small dots with a nominal spacing, which are slightly displaced from a grid structure. As a customer writes on digital paper using a digital pen, the pen may take periodical snapshots of the pattern (e.g., every 1/100 second). Each snapshot...

...operator or service provider corresponds to the particular location on the full pattern. Alternatively, the **digital pen** may be configured to read other forms of code, carrying information ...can be used for a range of applications, each with its own functionality assigned. A **digital pen** may include, for example, a traditional ink container, a detector, such as a digital...

...processor, memory, and a transceiver. One of skill in the art will recognize that a **digital pen** may include either more or fewer components. For example, some **digital pens** may not include an ink container. The digital camera may take digital snapshots of the...

...the camera. The image processor may calculate the exact position of the snapshots in the **pattern**. The position may be **determined** to the extent that coordinates corresponding to the snapshots can be determined. The memory may...

...identification. The transceiver may also transmit data indicative of the writing on the digital **paper** to the appropriate network operator or service provider. While a **digital pen** has been described as including a Bluetooth transceiver, one of skill in the art will...

...such as individual end user 102a, may receive an invoice for services corresponding to the **digital pen** and **digital paper** from a variety of entities, such as a network operator, service provider, or payment provider...

...entity. Sometimes, an individual end user may not get charged for services corresponding to the **digital pen** and **digital paper** but still be financially responsible to a network operator for the use of a communication...

...the network operator. Communications devices 104a-104n and 114a-114n receive wireless information from a **digital pen** operated by an end user and forward it to remote locations, such as mapping...

...may also receive mapping information from mapping lookup service 108 for forwarding to a **digital pen** that requested the information. In one embodiment, mapping information may be a URL (uniform resource...

...information with mapping information. Position information may include coordinates indicative of a location of a **digital pen** on **digital paper**. More particularly, the coordinates correspond to the location of the **digital pen** on the full pattern. This location may either be assigned a pre-defined application or...in a different billing arrangement. A service provider typically may receive information from a **digital pen** indicative of a particular service desired by the end user with the pen. After giving...

**METHODS AND SYSTEM FOR COMMUNICATIONS SERVICE REVENUE COLLECTION
PROCEDES ET SYSTEMES DESTINES AUX COLLECTES DES RECETTES D'UN SERVICE DE
COMMUNICATIONS**

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Legal Representative:

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Patent and Priority Information (Country, Number, Date):

Patent: WO 200239349 A1 20020516 (WO 0239349)

Application: WO 2001SE2503 20011113 (PCT/WO SE0102503)

Priority Application: SE 20004156 20001113; US 2001277285 20010321; SE
20011240 20010406

Designated States:

(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)

AE AG AL AM AT AT (utility model) AU AZ BA BB BG BR BY BZ CA CH CN CO CR
CU CZ CZ (utility model) DE DE (utility model) DK DK (utility model) DM
DZ EC EE EE (utility model) ES FI FI (utility model) GB GD GE GH GM HR HU
ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX
MZ NO NZ OM PH PL PT RO RU SD SE SG SI SK SK (utility model) SL TJ TM TR
TT TZ UA UG US UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 9128

Fulltext Availability:

Claims

Claim

... cumbersome or awkward. While individuals are often very com-
fortable conveying information using pen and **paper**, and
secondarily using keyboards and mouses, as communications
hardware becomes smaller, input devices become more...

...a communications system

where a request for mapping information corresponding to
a position of a **digital pen** on **digital paper**, is sent to
a mapping lookup service. The position of the pen on
paper may correspond to a service offered by a network
operator. Mapping information may then be retrieved and
sent to the **digital pen**, and a payment collected from the
network operator for retrieving the mapping information.
The above...collection. A mapping lookup service may retrieve mapping
information corresponding to a position of a **digital pen**
on **digital paper** in response to a request for the mapping
information from the **digital pen**. Alternatively, an elec-
tronic pen-like device may be used to read or otherwise
generate...

...network operator may offer a

dual end user 102a, may use a **digital pen** and **digital paper** for the purpose of accessing a service offered by a service provider, such as service...

...individual end user 102a desiring to order flowers may do so by scanning with a **digital pen** a coded portion of an advertisement for flowers. As a result, an order for flowers...

...s phone bill, for example. Recipient information may be inputted and transmitted using the **digital pen**, and the identity of the purchaser may be known by a unique identification number transmitted...

...a service to be completed, individual end user 102a may first need to touch the **digital pen** to an area of the **digital paper** designated for sending messages. Recognizing the area of the **digital paper**, the **digital pen** may send a request

to mapping lookup service 108 (step 604). The request may...

21/3,K/16 (Item 10 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00884007 **Image available**

DIGITAL PEN

STYLO NUMERIQUE

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Patent and Priority Information (Country, Number, Date):

Patent: WO 200217222 A2-A3 20020228 (WO 0217222)

Application: WO 2001GB3333 20010723 (PCT/WO GB0103333)

Priority Application: US 2000644809 20000823

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ
EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR
LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL
TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English
Fulltext Word Count: 4970

English Abstract

A **digital pen** that has an ink writing tip includes a laser on a pen body that directs light toward **paper** across which the writing tip is stroked. A diffraction grating reflects a reference beam and passes a scattered beam from the substrate toward translation **detectors**, which consequently receive interference **patterns** of light. A processor receives the signals from the detectors, generates position signals, and stores...
...host processor which combines them to produce rotation-corrected relative positions (if no bar coded **paper** is used) or rotation-corrected absolute positions (if bar coded **paper** is used) that can be used to render alpha-numeric characters or graphical representations.

21/3,K/17 (Item 11 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00842075 **Image available**

METHOD AND SYSTEM FOR INFORMATION ASSOCIATION
PROCEDE ET SYSTEME POUR L'ASSOCIATION D'INFORMATIONS

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Patent and Priority Information (Country, Number, Date):

Patent: WO 200175781 A1 20011011 (WO 0175781)

Application: WO 2001SE750 20010405 (PCT/WO SE0100750)

Priority Application: SE 20001253 20000405; SE 20003195 20000907; SE
20004157 20001113

Designated States:

(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)

AE AG AL AM AT AT (utility model) AU AZ BA BB BG BR BY BZ CA CH CN CO CR
CU CZ CZ (utility model) DE DE (utility model) DK DK (utility model) DM
DZ EE EE (utility model) ES FI FI (utility model) GB GD GE GH GM HR HU ID
IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ
NO NZ PL PT RO RU SD SE SG SI SK SK (utility model) SL TJ TM TR TT TZ UA
UG US UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 8893

Fulltext Availability:
Detailed Description

Detailed Description

... which letters or numerals may be written.

The pen is arranged to write on the **paper**, for example "Message 111 and "Message 211. During the writing, the pen senses the dots of the **pattern** and **calculates** position coordinates for the pen at regular time intervals, such as 100 times per second. Thus, a **digital** trace of the **pen** movement is formed in the pen. The pen may also, in addition to position information and time information, store information about the **pressure** between the **pen** and **paper** and the inclination and rotation of the pen in relation to the **paper**. The information is stored as a set of coordinates, which may be converted to a...

21/3,K/18 (Item 12 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00837850 **Image available**

DEVICE AND METHOD FOR COMMUNICATION

DISPOSITIF ET PROCEDE DE COMMUNICATION

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Patent and Priority Information (Country, Number, Date):

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Application: WO 2001SE607 20010321 (PCT/WO SE0100607)

Priority Application: SE 2000940 20000321

Designated States:

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AE AG AL AM AT AT (utility model) AU AZ BA BB BG BR BY BZ CA CH CN CO CR
CU CZ CZ (utility model) DE DE (utility model) DK DK (utility model) DM
DZ EE EE (utility model) ES FI FI (utility model) GB GD GE GH GM HR HU ID
IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ
NO NZ PL PT RO RU SD SE SG SI SK SK (utility model) SL TJ TM TR TT TZ UA
UG US UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 6909

Fulltext Availability:

Claims

Claim

... pattern unambiguously defining part of the address.

The product preferably consists of a sheet of **paper** in a newspaper but may also consist of e.g. an information board. Position-coding patterns...

...As

a result, the handwritten information is recorded while being written on the sheet of **paper**. Since the address area contains an address-coding pattern it is possible to read the...the information they code. A user unit must then interpret the information represented by the **patterns** before it can **determine** whether it is a position-coding pattern or an address-coding pattern. The address-coding...according to a preferred embodiment of the present invention. The product is a sheet of **paper** 1, which comprises a writing area 2 and an address area 3. According to a preferred embodiment of the present invention, the sheet of **paper** 1 is a page in a newspaper. The writing area comprises a position coding pattern...

...prises a pen point 21 by means of which a user can enter information. The **pen** point is **pressure** -sensitive and connected to the image-processing means. When the pen point 21 is...at least contain such a number of symbols that the position on the sheet of **paper** can be determined. The image-processing means 9 **recognises** that the **pattern** in the image corresponds to a position-coding pattern and converts the pattern in a...

21/3,K/19 (Item 13 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00828895 **Image available**

METHOD AND SYSTEM FOR CONFIGURING AND UNLOCKING AN ELECTRONIC READING DEVICE

PROCEDE ET SYSTEME POUR CONFIGURER ET DEVERROUILLER UN DISPOSITIF DE LECTURE ELECTRONIQUE

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Patent and Priority Information (Country, Number, Date):

Patent: WO 200161635 A2-A3 20010823 (WO 0161635)

Application: WO 2001EP1403 20010209 (PCT/WO EP0101403)

Priority Application: US 2000182742 20000216; US 2000190343 20000316; US
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2000703321 20001031

Designated States:

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prior to 2004)

AE AG AL AM AT AT (utility model) AU AZ BA BB BG BR BY BZ CA CH CN CR CU
CZ CZ (utility model) DE DE (utility model) DK DK (utility model) DM DZ
EE EE (utility model) ES FI FI (utility model) GB GD GE GH GM HR HU ID IL
IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO
NZ PL PT RO RU SD SE SG SI SK SK (utility model) SL TJ TM TR TT TZ UA UG
US UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 17613

Fulltext Availability:

Detailed Description

Detailed Description

... while the tip

284 of the electronic pen 10 is in contact with the formatted
paper 282, a sensor or camera in the electronic pen 10 can
detect a portion of the address **pattern** adjacent to the
electronic pen 10. The **detected** portion of the address **pattern**
can then be converted, by processing address **pattern** images
detected by the sensor or camera, into data identifying: the
current position of the electronic pen...

...angle of 0 to 90 degrees (as

35

indicated at 288); and the amount of **pressure** between the
electronic **pen** tip 284 and the formatted **paper** 282. This data
can then be sent to a controlled device at a specified update...

?